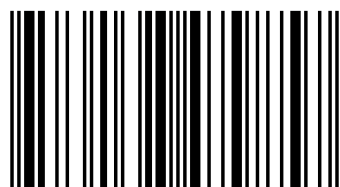


A Quaker tract for nuclear deterrence. Did you know that even a French Army veteran general, Pierre-Marie Gallois (who actually fathered the French nuclear strike force in the 1950s), said massive use of depleted uranium is a crime against humanity, attacking thus his own country among others ? This book must be read everywhere. The author is a distant cousin of a French politician who was twice president of his country by interim (Alain Poher) and could have easily used that to start a political career after his two Masters at the College of Europe and Sciences Po Lille but he found the truth in Mises and Hayek's criticism of democracy - and can tell you that reformism is useless, that even minarchism means no economic freedom in simple application of the Lipsey Lancaster paradox and that the sole democratic act is when you do your shopping. You don't change the world by voting. And won't pay safely with shares and bonds until there is no State or government able to mess with your wallet. Deflation before the collapse of the State is impossible. Dedicated to the only light in my life !



I'm a Quaker, vegan and anarchocapitalist. I used to believe in Keynesian ideas after having even been anarcho-socialist. Unlike most socialists I studied and understood that no progress is possible today and that neoliberalism is socialism too. I come with the answers you need, synthetically presented.



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Florent Pirot

From an Einstein Syndrome to the people

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From an Einstein Syndrome to the people

The Einstein Syndrome is a natural increase in the level of anandamide in the brain. Anandamide is found naturally in chocolate (for instance). It helps create new neuronal connexions in permanence and grow a slightly bigger brain. THCa is a component (found in undried cannabis) that can be also compared to anandamide. Using in permanence chocolate, THCa... helps normal people get to the intelligence of an Einstein Syndrome.

The findings in this book were greatly helped by the use of Google and by a scholarship from the Région Auvergne Rhône Alpes. Earlier persons with my syndrom, such as Edward Teller, Lev Landau, Richard Feynman, Albert Einstein himself could have certainly landed to my discoveries rapidly today given the series of articles published and our relatively common opinions (I mean that Einstein's call to socialism at the end of his life and his condemnations of the atomic bomb were obviously a consequence of his times were the Mount Pelerin society was the only reduct of liberalism and information on the reality of socialists and their deep tendency to lie and fabricate was not so evident – Landau is a particular case, in the Soviet Union as still in many countries in the world today his life was always at threat and he spent one year at the Lubianka *but he could have been complicit of the use of uranium mines as gulags later* – deadly gulags with no survival for prisoners. I'd also ask questions on Max Planck and Nazi Germany. Fermi never was complicit with Mussolini as Italy never had nuclear antitank weapons, it's obvious that he left as he understood his findings – yes Lise Meitner and Otto Hahn never *discovered* nuclear fission – my hypothesis is that as Gustave Le Bon's « results » (16 times below the real value indeed yet a *first step*) where not acknowledged by Einstein, Le Bon became harshly rabid and met some German national-socialist to collaborate with them *against a Jew*).

The Wewelsburg castle was the first location of a nuclear reactor. The black sun on top confirms it. The black sun simply show how fission in the dark creates an array of small Compton photons yet its real origin is unknown. The SS division for « research on ancient cultures » which actually managed the castle actually took part in Nazi demonstrations with shovels, the travels of their anthropologists obviously concealed research for uranium ore. Uranium mines have been used as death camps starting from Nazi Germany and Stalin, and are still so today in China, the DPRK, the Russian Federation, Mongolia, Turkey, Albania, Nepal and Venezuela (as of the available evidence and obvious cynicism in these regimes). This confirms plainly the hypothesis of Mises regarding the convergence of all socialisms. That neoliberalism and all « mixed economies » are socialistic in

nature is also obvious and their use (for the USA, UK, France, mainly) & support (Israel) & silence and implicit complicity (for the others, even Belgium) as regards depleted uranium confirms that.

The official nuclear reactors today are not the only existing reactors : there are many concealed a bit everywhere by military powers and even terrorist groups making bombs. My readers might have read about the Tianjin and Leizhou secret blasts in China, the destruction by Israel's airforce of one Hizbullah reactor in Khiam in 2006, the destruction by Israel's special operation services of one Hamas reactor in 2014, the secret explosion of the reactor (and not RTG) of Cosmos 954 in 1978 concealed with some actual help (in exchange certainly for something else) from the US government... nuclear reactors have direct military use : source of energy, of plutonium, and of neutrons for the activation of products used to make more powerful neutron sources (sodium especially). Some explosions of nuclear reactors can be wholly spontaneous because of the above mentioned relativistic neutrons from brutal cosmic events (especially neutron star collisions, supernovae and black hole mergers).

CO₂ is not responsible in itself for global warming yet it is anthropogenic ! Heat losses in general together with volcanic tephra and other high atmosphere opaque material are the real cause. This is easy to see – the 1945 – 1976 stagnation of global temperatures in particular should make this obvious together with their diminution until 1908. The reality of global warming is it is both volcanic and anthropogenic. Recent nuclear reactor accidents from hurricanes (as the Leizhou case above, the now semi-famous Brunswick one and many others) are another testament that the overpressure created by a nuclear reactor's loss of thermal energy in the atmosphere is a major magnet for the depression of hurricanes (as a river seeking the shortest way to the ocean).

I estimate to 27 million deaths the victims of the Soviet uranium gulag. It is very difficult not to believe that China has at least 3000 nuclear warheads (based on findings of secret tunnels by university researchers). The estimation in the USSR can be made thanks to the regime transition : the anti-alcohol policy obviously conceals a reduction in needs of the uranium gulag after promises were made to the USA, that were in fact secretly compensated by the use of sodium in RBMKs. RBMKs are modular reactors as their name suggest. The Chernobyl accident was obviously an accident caused by extraction of Pu²³⁹ with a particular technique that avoids long cooling of the reactor (with the actual use of sodium's positive void coefficient to quicken restart after reducing to 6 % the power of the reactor). I wonder if it is the exact same scenario for the Tianjin 2015 accident.

Repression of innate bisexuality and the prosperity of irrefutability – nevrosis of the enemies of Popper's criterion of refutability

Bisexuality is natural in animals ; long-loving same-sex couples in animals are independent of the presence of competitors of the other sex. Humans are the only group in which heterosexuality has been erected as a norm and all other behaviours are repressed. The bisexuality of the baby is notorious since Freud but homophobia is a gatherer and all statist ideologies are built from it. The unity of repressed homosexuals is solely possible around ideologies that allow romanticism and that thus are non-Popperian. The coming together of theoreticians officially in conflict but sharing the rejection of the Popperian refutability can be taken as a supplementary testimonial of that preference : resurfacing of the repressed. All forms of statism, attacks against freedom and hatred of nature and life rely on the same springs of repressed homosexuality, self-hate and irrational links to individuals of the same sex built without care for refutability that manifest the unavoidable resurfacing of the loving human.

Introduction

In male giraffes, 9 sexual encounters over 10 are with other males (involving sodomy and prostatic orgasm). Homosexuality is natural in animals and bisexuality the rule more than the exception. Few animals are known to be solely heterosexual or solely homosexual according to Fleur Daugey and many animals are found in same-sex loving relations whereas mates of the other sex are nevertheless « competing » and could be alternative partners. The theory of Sigmund Freud and Wilhelm Fliess of the innate bisexuality of the baby can be seen directly in that lens but the study of animal behavior shows that the idea that humans « have to make a choice » is intrinsically wrong. Sexuality in animals is spontaneous.

Bruce Bagemihl (1999) has provided a book on animal homosexuality which is a simple example of sexual repression : he rejected the possibility of love. All attempts to see, not love, but « evolutionary strategies » such as games of domination between animals of the same sex, or « exuberance » but not a normal behaviour simply produced by *love*, are acts of invention of repressed homosexuals – the first definition of a repressed homosexual¹ being of course rejection of the idea of love, *at least somewhere*.

1 In this paper « repressed homosexuality » is used as synonym for « repression of the homosexual relationships that bisexuality allows »

As concerns the observation of animals, the experimental set-ups are likely to produce only a limited picture of the reality of the sexual relations – rattlesnakes, for instance, can be found to have very long intercourse but animals that have learned to be afraid of humans certainly feel the observants and shorten their intercourse for that reason. It is a simple issue known in sociology and anthropology – observation itself destroys the validity of the data collected. An absolute lack of empathy is key in identifying sexual repression and one simple example is found in theoreticians believing that experimentation on living beings is able to provide reliable, Popperian ethological / sociological knowledge.

Repression of non-heterosexual behaviour by parents, together with the fostering of gender-differentiated identities (as shown by several authors, Elena Belotti for instance already in 1972), produces a highly repressed society in which the animal bisexuality is totally suppressed. The fact that erect clitorises can be as big as erect penises and allow for anal penetration of the man in the rear simultaneously with penile penetration of the vagina, for instance, has been erased of the collective knowledge, and, more amazingly, an entirely nebulous theory on spotted hyenas giving birth through their clitorises has been elaborated for that species showing permanently the clitoris in its real size. The direct spillover of this repressed state of mind is homophobia as a way to express social integration, for natural bonding is impossible and *Unterdrückung* becomes a norm, a social standard organized by ideologists and by States that all provide focal points (Schelling's) i.e. the institutions allowing for the repressed to think themselves of as natural persons and to reject the non-repressed as *different and even unnatural*. Social culture (collective drinking, betting, rape...), institutions of power in general allowing the co-construction of networks among the repressed to support themselves mutually, religious cultures allowing the same thing, and prostitution which is a key denominator for repressed homosexuality (either for the users of prostitutes of the opposed sex as a way to pretend pure heterosexuality, or as a way to *secretly* use prostitutes of their own sex) are such focal points. All what revolves around taming animals, dominating them, taming nature, mastering the elements, is as well a key focal point. The projects of humans attempting to think of themselves as, not part of nature, but outside of it², with specific forces and, most importantly, an independence from the conditions of the environment, is another focal point – the Prometheian ideology and its spillovers, among them all forms of market interventionism and illiberalism.

The Popperian criteria of refutability defines simply a scientific way of behaviour which implies making choices – what the economy also is about. Making choices is impossible for people

2 A typical form for the expression of that repression being the refusal to believe in the health properties of plants such as cannabis in spite of the numerous peer-reviewed studies supporting them with experimental data. Cannabis was used for what was presented as « miracles » by Jesus (healing muscular spasticity, psychosis, etc), allowing him to conceal his homosexual feelings (obvious when reading the Gospel of John) behind prophecy – and, certainly, a false account of crucifixion to impress the disciples, as the body of the condemned would have been defaced and put in a mass grave, and not in a clean cloth of linen and in a small individual vault (especially as it is accounted that he is « hated by the Jews » - they should not have allowed his body to be taken for any kind of funeral). The revival of Lazarus is very similar in form to the incoming revival of Jesus (it is in this essential in the implementation of that main « miracle » in the mind of readers) and is solely narrated by John, disciple closest to Jesus. They could have had a relation identical in form to that of any repressed couple, in which the pseudo-love is fabricated by the very close and successful work relation between two homophobes that cannot nevertheless « break the wall », look into the eyes of the other at the same time without lying a bit and closing themselves to the alter ego – they are dominated by narcissism and at risk of scavenging each other very violently at any disruption of the frail equilibrium. Many examples are given below. See in annex for a closer look at the New Testament.

repressing their real love preferences, so they prefer ideologies full of contradictions, as themselves, defending their ideological contradictions in order to pretend that it is possible to live in a personal life made of contradictions as well. While the free market conforms with scientific rationality by allowing choices, its rejection allows ideologues to sustain their lifestyle and mindset – and to find friends of the same sex sharing the same hatreds to spend time with, as subconscious resurfacing of the *Unterdrückung*³. Animality is understood by everyone to be the source of natural love but most reject it for they do not accept that humans, as most animals, do not have a categorical taste for heterosexuality and that homosexuality is a fully natural behaviour. The free market is a simple reflection of the animality of humans which is also rejected, in direct continuation, for all natural behaviours become progressively hated by the repressed as they suffer more and more because of their straitjacket. Political economy has had a particular role in the organization of attacks against the free market and natural freedom and can be taken as a more general example.

The hypothesis

The main hypothesis of the writer is that repressed homosexuality is highly dominant in mankind and directly linked to the curious taste of humans for killing others for pleasure (be it as a minimum animals, or polluting the environment for no reason, or of course oppressing other humans – so all attacks against freedom have to be taken into account). Ludwig von Mises is taken as the key author for economic freedom as he both theorized the spontaneous order, understood how political power is casually used to oppress women and how brothels are a place of slavery (see for instance *Human Action* for the first, and *Socialism* for the second and last). It is important to note that the theories of Mises on sex and power seem quite unpopular even among libertarian thinkers (in the limited observations of the author). Mises' criticism of prostitution and his comments on militarism feeding the prostitution serfdom can be related to the obvious fact that prostitutes are extremely needed for men (and women, for gigolos) looking to lie to themselves about their real sexuality.

The lie of heterosexuality needs to be permanently, and forcefully, told by the mind to the subconscious as a way to harness it and attempt to control all forms of attraction to persons of the same sex – going to prostitutes is only a small subpart of it – telling this lie takes much of the energy of the person, making it much less productive for other aims such as producing economic and social added value (wealth, happiness for the self and for others, etc). The life of the person is brought into a straitjacket of storytelling in which the only thing that matters is the image produced for the others – so the person cannot think on its own or give any clue that he/she is « outside the norms » because all norms are assimilated to heterosexuality and trespassing to homosexuality.

It is also obvious that sexual dimorphism is mostly a construct of feeding behaviours in which young girls are encouraged to eat less and boys more – constructing strong differences in sizes⁴ and creating artificial needs for women to be protected by men of strength (and thus building again the need for heterosexuality).

3 An alternate case is the homosexual spending a lot of time surrounded with persons of the opposed sex

4 On this see Priscille Touraille (2005)

The author postulates that ~ 99,2 % of the overall population of the entire world is repressing its own bisexuality. This postulate is based on

1. the observance of participation to elections and support of sports teams (a typical way of finding homoerotic bonding) as well as levels of interest for rational science (low levels suggesting repressed homosexuality) and on average feelings as concerns the respect of nature and, of course, the support of the free market (as lack of love of nature and rejection of the free market suggest as well repressed homosexuality).
2. the lack of resonance of LGBT issues outside the Western world, and, even in the Western world, their « niche » nature, and, inside the LGBT world, the tendency to erase bisexuality.
3. this ratio matches the fine-structure constant.

The Pareto criterion of a 80/20 division in society « *in which 20 % of the people produce 80 % of the economic value* » can be seen as an earlier constatation going in the direction of the hypothesis of the author : the idea that sexually repressed persons are unproductive is obvious (the energy dedicated to the organisation of the lie to the self is not allocated to actual activities of production).

Ludwig von Mises was the first author to explicitly underline the belonging of national-socialism to the wider breed of socialism and to dismantle attempts to propagandize ideas that the national-socialists are favourable to capitalism. In addition it should be obvious to everyone that repressed homosexuality is extremely wide even in tenants of neoliberalism and that all politicians *scenographizing their private life* one way or another (as well as in fact all persons that scenographize their private life, as couples, in the direction of others) are such.

A simple theorem of repressed homosexuality, for men (all cases discussed below), is the transfer onto the State of the « virility » the repressed homosexual « feel frail » in him. The « spontaneous order » is seen as feminine in that it simply evokes the lack of sexual vigor of the man who is actually unattracted by women but who repeats seduction attempts ; he will demand forms of strength of the State and campaign actively for it, up to sometimes very successful (yet absolutely traumatizing for others) political careers, as it allows them to compensate their supposed lack of virility with the idealized virility of the State.

Non-popperian theories allow to justify simply the power of the State and to convince followers. Their seduciveness is in the apparent simplicity that allows a quick output of slogans and in the large number of persons that can be drawn to them thanks to the lack of rigor in definitions (concealed by scenography, public speaking tricks such as conferences with no questions allowed, shouting instead of speaking, mass set-up of robots on social networks, « clappers » in meetings etc⁵). Alternatively, extremely tortuous theories offer a casual way of slipping non-popperian theories in academic articles, as have for instance demonstrated skeptics Alan Sokal in 1996, Helen Pluckrose, James Lindsay and Peter Boghossian this year. The folds of an article whose outline is almost impossible to follow are an easy way to conceal a very weak and irrefutable argumentation, for historicists and other holists of social sciences. The point of these writers is sometimes first to

5 The use of clappers in meetings was already well known in the Roman Antiquity as affidates benefitting from the generosity of a rich patron were, among other things, frequently expected to come to his electoral meetings to clap...

convince *themselves* and the polylogism very frequently emerges accidentally – in the first pages of Marx's *Capital* when subjective value is quickly implied, or in Sismondi's works when it comes to slavery, social welfare, imperialism, or in Rousseau's total change of stance regarding private property, sometimes sacred, sometimes desecrated...

The repression of homosexual love leads to non-Popperian theories where symmetry with the implicitly (unwillingly) loved one is favoured to intellectual decency. Refusal of Popper's refutability criterion is always the activity of repressed homosexuals, everywhere as it allows bonding between same-sex persons around holistic projects that can be assimilated in the mind to a form of romantic love. These holistic projects cannot thrive without non-Popperian argumentation to support it.

In addition the persons repressing their homosexuality can be highly expected to demand forms of interventions on the spontaneous order. The connexion between the repression of natural attractions of humans and the repression of the free market is simple to understand.

Repressed homosexuality involves both bonding between persons of the same sex and refusal to have such relations acknowledged as love. This article attempts to show how the rejection of homosexuality is absolutely common in antiliberal scholars and makes the point that rejection of homosexuality is the focal reason for the prescription of intervention of the State in the economy of these scholars, beyond the traditional borders of the left and the right, allowing actually mating between these scholars. It is likely the history of the Soviet Union and national-socialist Germany, from the first meetings of Lenin and Hitler in Vienna before the First World War where they played chess and could certainly have had some form of relation⁶, to June 1941. Between 1933 and 1934 (the *Tag der Arbeit* 1934 coin with the image of an old man, possibly socialist thinker Ferdinand Lassalle, a sickle and hammer⁷, and an eagle with the national-socialist hooked cross, evidences it⁸) until the elimination of the SA, which started the Communist policy of cooperation with social-democrats, and again effectively since 1937 when the Soviet Union provided the Gestapo with groups of anticommunist refugees⁹, the cooperation was evident.

Antisemitism is a simple spill over of repressed homosexuality : when homophobia is not enough to bond with other repressed homosexuals, the targeting of Jews, presented with feminine traits (flaccid nose evoking a flaccid penis or even tinier nose evoking a clitoris, lips like a small vulva, gold jewelry, thin arms, a veil...), is an additional motor of bonding. Other communities, depending on the local traditions, can be used as well as enemies. The Soviet Union's homophobic policies are very rarely discussed and taught – it is a quite obscured part of modern history in spite of its significance. Homosexuality has been vastly demonized in the Soviet Union as well as in all

6 Emma Lowenstramm's drawing testifies <https://www.telegraph.co.uk/culture/culturenews/6130672/Pictured-Hitler-playing-chess-with-Lenin.html>

7 And the sickle and hammer emblem actually evokes the insertion of a penis in an anus (alike the traditionalist Catholic heart of Jesus and cross emblem for instance)

8 Many samples are available on the Web https://www.google.com/search?q=tag+der+arbeit+coin+1934&client=ubuntu&hs=hrq&channel=fs&source=lnms&tbm=isch&sa=X&ved=0ahUKEwjguM6UpsXeAhUB6RoKHY3VDeYQ_AUIDigB&biw=1301&bih=670

9 On this see the *Black Book of Communism*, S Courtois et al (1997)

socialist countries and homosexuals targeted by law and police. It is obvious how homophobia and the repression of homosexuality are tied. Repressed homosexuals spend their time acting against other persons in which they observe some traits « similar » to them, having the feeling they could be would-be homosexuals as well, as an attempt to impede their possible coming out – to feel less isolated. Violence is an integral part of that permanent process. The behaviour can be observed widely in the opposition between national-socialists and socialists ; their relationship is of mutual and secret love, and mutual and explicit hatred ; both communities attempt deliberately to obscure the history of their political ideology as it concerns the closeness of their ideology. The modern founding cradle is Machiavelli – a closeted man for whom « queer experiences » have been reported¹⁰ but who idealized virility by transferring it onto the State. Machiavelli is not of course the first repressed homosexual in the history of humanity but he is a very interesting case for he is depicted as the founder of « Republicanism », the first antiliberal school of thinking. The union of academics of both the left and the right in the theory of « progressive democracies » (as opposed to what would be a « liberal, minarchist regime » as theorized for instance by popular authors such as Naomi Klein) behind an author who openly calls for lying, political violence and wars of invasion as a technique of government is simply another expression of the *Unterdrückung* of the innate bisexuality of the human being.

All collectivities with some socialization aim rely on permanent rituals of sacrifice which have as prime purpose to organize acceptance that links of love do not matter and that the group primes. Ceremonies, baptisms, professions of faith etc. involve forms of hazing in which the individual is demanded a commitment and the most committed socialists always take pride in reminding to others the titles acquired following such a hazing. Most people tend to accept this (see above on the hypothesis). The importance of the title in the eyes of the others is linearly tied to the violence the granters of the prize can inflict to the hazed and their political power allows them to demand more – as regards what Pierre Bourdieu¹¹ called the state nobility for which acceptance of so many humiliations can be expected – a process which can be naturally suspected to select homoerotic bonds established, through more or less pathetic ways, from collective hazing in elite schools to true

10 « What we did as adolescents » : in this 1523 reply to Machiavelli about the intimacy of Machiavelli's son Ludovico with a man, Francesco Vettori leaves no doubt about Machiavelli's own homosexual experiences : « Since we are verging on old age, we might be severe and overly scrupulous, and we do not remember what we did as adolescents. So Lodovico has a boy with him, with whom he amuses himself, jests, takes walks, growls in his ear, goes to bed together. What then? Even in these things perhaps there is nothing bad. » - Michael Rocke, *Forbidden Friendships: Homosexuality and Male Culture in Renaissance Florence*, 1997. Haig Patapan in *Machiavelli in Love*, 2006, note 78 of Chap 1, points that Ridolfi does not exclude some isolated homosexual experiences of Machiavelli in his young years, that Machiavelli's friends (as for instance Donato del Corno) were homosexuals, but deduces « from personal correspondence » that Machiavelli was « heterosexual » – using personal correspondence to deduce heterosexuality is extremely naive when the obvious strategy of lying everywhere is the most essential characteristic of repressed homosexuals, and especially logical in a man so keen to recommend lying in his writings – the conclusion of Patapan is ambiguous – suggests Machiavelli could have been tempted by homosexuality – and lacks the simple light of *repressed* homosexuality evident from Machiavelli's hostility to his own son having homosexual experiences and from his cult of virility in his writings.

11 Himself obviously, with his holistic views on sociology, a repressed homosexual ! Bourdieu was very close to J-C Passeron, the French sociologist who actually theorized the « non-Popperian space of social sciences » in *Le raisonnement sociologique* (1981). Another obvious repressed homosexual whose theories can be used here is Jean-Paul Sartre : his « group in fusion » is the typical monosexual group in permanent activity of bonding i.e. the fallen love of the humans unable to love, for they are repressing themselves, and needing to form a community to remind them of what they could enjoy if they were letting their mind free – Sartre's mind was so straitjacketed that one of his eyes permanently attempted to « escape » uncontrollably...

prostitution for future political power. It is a permanent process of co-construction of a « nobility » that State institutions (even in all neoliberal countries) attempt to define as linearly tied to success in life. Private companies are as well, in neoliberal countries, permanently submitted to such a process of hazing and extraction of monies through extortion, secret demands for retrobribes in calls for tenders followed by « cocktails » or joint public appearances in which of course the corporate leaders have to appear quiet and joyous (even though they can expect the leaders of the State to be permanently calculating how much they can extract from each company through e.g. new threats of normative action, speculation on the falls in market shares of these companies they themselves cause with their economic interventionism¹² by using call or put warrants, etc) and one can expect the surviving CEOs, in big corporations, to be as well mostly repressed homosexuals that have accepted this sado-masochistic game as part of normal life and try to have « better chains and softer handcuffs » instead of fighting back. These process are, simply, selection processes in which the repressed are co-opting themselves, while eliminating *deviation*, people not fitting, that may remind them of their own sexual repression and that must be kept as far as possible.

The illiberal economic thinkers that will be discussed below can simply be taken as representatives of a spirit of statism in which they hoped to leave their names. They will thus tend to « contribute » by constructing new tropes of seclusion and reasons for political intervention in the economy and society, allowing for others more opportunities for homoerotic groupism. All tropes are constructed so as to provide more reasons for humans to distinguish themselves « from animality » and involve negating said animality of human behaviour that economic freedom is the most simple way to identify. The State is an « institution » and per se any institution can be seen as having a « magical » power to discriminate i.e. *construct* the barrier between what is « human » and what is « animal ». Weber's « enchanted world » is not at all behind us – the State provides a simple recourse to all repressed homosexuals looking for proof of their heterosexuality (militarism, social success through manipulation of others to achieve promotion in the administration, political militancy in which homophobia can be implicitly or explicitly promoted, etc) and thus all repressed homosexuals will tend to become entrepreneurs in Statist ideology themselves and push the boundaries of State intervention to demand encroachment into private life, wallets, bodies... for they see in this intervention a way to reinforce their own straitjacket and / or avoiding competing behaviours from others that would remind to them as well their own inner, silenced, passions.

An analysis of economic ideologies

Marx and Engels are a simple example : the repressed homosexuality must be absolutely obvious to everyone, it is a simple example of a sustained homoerotic relationship in which feelings of love are never expressed but mutually felt, while actual homophobia is one of the main binders ; the June

12 See on this Jagolinzer et al, Barbon et al and Di Maggio et al ; these articles were synthetically presented in a February 2018 article of The Economist - <https://www.economist.com/finance-and-economics/2018/02/10/insider-trading-has-been-rife-on-wall-street-academics-conclude?fsrc=scn/fb/te/bl/ed/insidertradinghasbeenrifeonwallstreetacademicsconcludeintheknow>

1869 letter in which Engels expressed to Marx his « fear of rampant pederastia » in Germany is a simple example¹³. Antisemitism is also apparent in Marx with the usual cliché of the Jewish lover of money (in his 1844 opus *On the Jewish Question*). The author of this paper surveyed several writings of several other authors to demonstrate similar relationships. It is argued in this article that repressed homosexuality is the main driver of economic thought as it is the driver of statism always and everywhere. Building walls around their private homosexuality (that is organizing your lie to your inner self, telling to yourself in permanence the lie that you are heterosexual while spending most of your time socializing with persons of the same sex and avoiding persons of the other sex except in planned settings) is much easier if they can harness political power to enforce laws or other rules or simply having a security guarantee but harnessing that power and / or money income source involves depriving others of resources and inevitably fuels a permanent feedback process in which instability and political disorder threaten them – forcing them to set up more schemes of extortion and violence to hide themselves. It simply expresses their fears of not being tolerated if the homosexual love was openly acknowledged.

Socialism and nationalism are both constructs from non-Popperian researchers wanting to conceal the animality of humans and, first, of their own mind. Rejection of the free market and campaigning for the organisation of society and / or the national community all rely on the same springs. All need polylogism and non-Popperian prolegomena to conceal lack of rigor in definitions and attempt at political propaganda, and serve a single purpose which is power onto others to engage in « less animal-than-thou » activities of rivalry : humiliating others, perhaps torturing them, etc. to force appearance into the eyes of others of animal instincts of fear. The fantasma of domination is accompanied by secondary fantasmas of being dominated by the enemy – the mind of the repressed homosexual suffers and some subparts will always force the rest to accept some form of homosexual love, i.e. homoerotic bonding, at all costs. No human can truly survive without some at least very distant form of love.

St Simon and the St Simonians are a primitive example of groupism together with ideologization of the rejection of the animality of mankind. Industrialism as a whole is an ideology that is a simple theorization of humans as builders and St Simon used the parables of animals *against* other animals to underline his point : bees against hornets. Fénelon has been denounced by St Simon having an « effeminated » gallantry (Régent-Susini). The St Simonians had customs that involved dressing together, each one putting another in a jacket that closed from behind, to force a spirit of

13 The paederasts [homosexual paedophiles] are beginning to count themselves, and discover that they are a power in the state. Only organisation was lacking, but according to this source it apparently already exists in secret. And since they have such important men in all the old parties and even in the new ones, from Rosing to Schweitzer, they cannot fail to triumph. *Guerre aux cons, paix aux trous-de-cul* [war on the cunts, peace to the arse-holes] will now be the slogan. It is a bit of luck that we, personally, are too old to have to fear that, when this party wins, we shall have to pay physical tribute to the victors. But the younger generation! Incidentally it is only in Germany that a fellow like this can possibly come forward, convert this smut into a theory, and offer the invitation: *introite* [enter], etc. Unfortunately, he has not yet got up the courage to acknowledge publicly that he is 'that way', and must still operate *coram publico* 'from the front', if not 'going in from the front' as he once said by mistake. But just wait until the new North German Penal Code recognises the *droits du cul* [rights of the arse-hole] then he will operate quite differently. Then things will go badly enough for poor frontside people like us, with our childish penchant for females. - MECW, Volume 43, p. 295. First published: in *Der Briefwechsel zwischen F. Engels und K. Marx* Stuttgart, 1913. available at https://marxists.catbull.com/archive/marx/works/1869/letters/69_06_22.htm

cooperation and, evidently, as it was groups of men, body closeness. It evokes also groups such as freemasonry which has mostly been gender-separated throughout history.

Charles Fourier may have found in the St Simonians, for his sole name resounded with them, an inspiration in socialism and constituted a group with his own followers including Victor Considérant with whom he had a close relationship. *Fourierism* evokes the French word *fouerrer*, and the behaviour of the man might have been to become obsessed with his own name. The utopia of the *Phalanstère* would allow close control of the bodies and is a typical set up for behaviours of sexual harrasment and ploys of rape. It could have been an underlying idea of Fourier to promote his group utopia in the hopes of being seen as a founding father, to gain control of many women as ways to forget his own « incapacity ».

Quesnay has been reconstructed ex-post as a free-marketer he was a prominent member of the French court, friend to Louis XV himself, « loved » by him (for which precise reasons?) and an apologist of the Chinese taxation system and, in general, of that typical authoritarian liturgical State (as noted also by authors such as Carol Blum). He had, as many others in this article, a « particular friend » (Vincent de Gournay). The economic model of Quesnay escapes somewhat the common sense. It is presented as mathematical (presenting the same symptoms as Keynes, who is a particular case as his homosexuality is no mystery now but clearly was repressed throughout his life) but does not show actual logic and rationality, only cyclicity and a religion of farmland as the only actual source of added value. There is no doubt on his repressed homosexuality.

Adam Smith himself was not a full proponent of the free market. His views on the « invisible hand » and acceptance of human passions make no doubt yet the last book of the *Wealth of Nations* is clearly and openly Statist. Here two views conflict :

1. One simple hypothesis would be that Smith did not write the last book of the *Wealth of Nations* with passion but only as a way to be ensured publication and quick promotion while hoping to defend his own views in the first four books.

2. Another would be that he firmly believed, as opposed to Mandeville, in the need for a State, and that the *Wealth of Nations* was written wholly in the reaction of the failure of Townshend's laws as Smith certainly seeked a new public – the secret relation between Smith and Townshend can be presumed for Townshend offered Smith to become the tutor of his stepson Henry Scott – and he accepted. Smith was possibly looking mostly for popularity and for a public - it could be an attempt to gain more followers by building a strong group of supporters while hiding his secret preferences. Smith met Quesnay once *and Quesnay died immediately after*. What exactly killed Quesnay ? (Who, perhaps, may be the question¹⁴)

14 Let us quote again Murray Rothbard : « The Rev. Carlyle's comment that Smith had 'some little jealousy in his temper' seems a vast understatement, and we are informed by his obituary notice in the 1790 *Monthly Review* that 'Smith lived in such constant apprehension of being robbed of his ideas that, if he saw any of his students take notes of his lectures, he would instantly stop him and say, 'I hate scribblers' » - the last phrase suggests the assassination of Quesnay.

Rothbard points to « The mystery of Adam Smith [that is] the immense gap between a monstrously overinflated reputation and the dismal reality ». Smith's labour theory of value is certainly tortuous, as is the *Wealth of Nations* difficult to read and his *Theory of Moral Sentiments* is an even more tortuous attempt at defining how humans feel (with the implicitly homophobic reference to love as « the passion which unites the two sexes ») which is extremely dissatisfying if one considers it in the perspective of the spontaneous order. The obvious conclusion of Smith's repressed homosexuality should make no doubt.

The case of Rousseau is obvious for he himself wrote on his « folly » which could not but be anything else than a moment of suffering linked to his repressed homosexuality. Rousseau explains his fear of scientific investigations involving « smelly » things such as chemistry and medicine, yet wrote on « herboristery » (as Blanqui later, certainly in a livid attempt at imitating Rousseau, wrote totally hypothetical conjonctures on astrophysics) – he is well known for his taste of being spanked by women and perhaps less known for having abandoned all his children.

Sismondi is a simple example of obsession for virility, hatred of homosexuals, Jews and foreigners, political opportunism and polylogism – as with Napoléon on June 6th 1815 after having spent years attacking him in his books. Sismondi is presented by Francesca Sofia as having had « many failures with women through his life » but did not had the same failures with men – at least regarding homoerotic bonding without actual mating. Sismondi was himself a prude Protestant. He met also later with Louis-Philippe, exchanged longly with an American unitarian priest (William Channing) and had many disciples (Pellegrino Rossi, Jules Michelet for a shorter period, and Eugène Buret which could have been his secret love - Frédéric Bastiat notes that Sismondi's articles, in conjunction with Buret's, opened a new « age » in the disappearance of « virility » and Bastiat might have suggested that in a primitive form of what is purposed in this article) – Sismondi keeps, in his writings, talking about « Ricardo's law » and never mentions Say, which is extremely hypocritical and may have had the purpose of establishing some form of bond, beyond economic theories, with Say. Sismondi had an absolute obsession for military history, writing thousands of pages later presented as the general history of countries, for epic drama and actually taught courses of literature in which he actually gave lessons of taste and romanticism, and a cult of state authority which is more and more evident through his writings as he aged. For he became weaker and full of pains and as he gained weight up to obesity he made it more evident to the readers and sought new readers by attacking imperialism and colonization (which he defended in the past). Sismondi evokes a man attempting to seduce with infatuated words and lots of tortuous irrefutable theories scattered in disorder in his many books, a typical repressed homosexual.

Sismondi used Smith's name repeatedly but did not even mostly followed up on his theories and was the first one to evoke revolution, thinly and distantly, as a way to achieve forms of social and national progress *after* the French revolution. Sismondi prescribes violence as way to reform human behaviour – in the reeducation of slaves in a seemingly social system which has in fact an *ab terrorem* clause or in the not-so-obscure reference, in a 1836 text, to Jews as a « foreign people in a country [Poland] that lacks a race » – and has a great tendency to, in general, hide the « intolerable » parts of his thinking in the bottom of pages or in elusive expressions – *in cauda venenum*. Could he have taken a secret pleasure in this permanent quasi-lie ? It is certainly an

hypothesis. The repressed homosexuals of course take pleasure in inflicting to others pains – it is in fact the only pleasure they can take as repressing yourself only leads to pains everywhere, incapacity to think, etc., and these « sneaky » ways of putting « evil in the margins » evokes the practices of all demagogues and sterile monstrous of power, the manipulators.

The Blanqui brothers are a different example in which family relationships are tied to a strange homoerotic relationship. Adolphe is a much earlier children than Auguste, and he decided to support his brother financially. Adolphe supports industrialism, in ways reminding very clearly of St Simon, is considered a « liberal » thinker but expressed in 1849 his clear statism as concerns education and morality – with a strong religiosity. Adolphe was very obviously deceived by the revolutionary, anarcho-communist tendencies of his brother, and adopted a « magic wand » reaction, promoting State intervention for education of the young and promotion of Catholic virtue, while in the same time writing things such as « The great mistake of these times, is to believe that government... can everything, and to make it responsible of the fate of everyone »¹⁵ and to denounce the cult of the « paternity of the State », a « fiction from which it is dangerous to abuse ». The relation of Adolphe to his younger brother was obviously not healthy and testifies of repressed homosexuality.

Auguste is an anarcho communist who, in spite of an apparent interest for science, wrote tracts demanding death to the rich (« the death of a rich is a good », 1834 ; « not a single rifle must remain in the hands of the bourgeoisie, out of this no salute, weapons and organization are the decisive element of progress, the serious way to end misery ; who has iron has bread », 1851 (in a letter to an assembly where he had been asked to write a text as in the very « bourgeois » use of *toasting*, in evenings certainly accompanied by lots of alcohol) but keeping *as well* the St Simonian mythology of the bee and hornets. He attacked religion to secure his position as a rationalist by targeting a precise priest in a whole book – quite a ridiculous attempt given the number of priests into politics and quite certainly the result of an homoerotic interest in the man – but *also* used some religious myths (for instance the Essenians, and Cain & Abel) to defend his equalitarian views so that property is presented as against a *religious* order. In the typical trope that Mises calls chiliasm (chilling yourself by convincing your ideology is bound to succeed) Blanqui uses the disappearance of slavery to convince himself that property rights in general will disappear, *and* prescribes *what* should replace property rights i.e. the « association » of anarchists (simple symptom of polylogism as his elder brother both attacking the myth of the « paternal State » and demanding it for education and morality). It is obvious that Auguste built his entire theoretical background out of hatred for Adolphe, as reaction to Adolphe's economical views – maybe something else happened and some sexual contact was attempted by Adolphe while he « cared » for Auguste, leading to the reaction. It is difficult to know.

Karl and Michael Polanyi embody the other form of homoerotic bonding transferred onto the family : not through mutual hatred but consistent cooperation in spite of the apparent opposition between the liberal and the socialist ; Karl Polanyi attempts to build another historicist proof for the

15 « La grande erreur de ce temps, c'est de croire que le gouvernement, quel qu'il soit, peut tout, et de le rendre responsable du sort de chacun, comme s'il pouvait donner plus qu'il ne reçoit, et faire plus pour tous les citoyens réunis que chaque citoyen pour lui-même » (1849)

naturalness of socialism (after Rousseau's, Sismondi's and Marx's, to quote the main ones, each inspired by the earlier authors) and Michael Polanyi attacks positivism and Popper in spite of his defense of liberalism ; both joined forces to not understand that fascism, which they commonly hated, relies naturally everywhere on non-popperian dogmas to gather strength.

Mises was the first to point out how national-socialism is simply a subpart of socialism (and how Sismondi was the first actual thinker of national-socialism) – Karl and Michael Polanyi seem to have stayed in an homoerotic incestuous relationship in which they worked against their own interest by attacking one brand of socialism they rightly feared while actually promoting refusal of positivism and of Popper's refutability criterion i.e. the equivalent of castrating themselves – in the typical sado-masochistic relationship of Communists and Fascists – refusing Popper's theories to *present the « pooper » (yes, the anus! the irrationality) to the secretly loved enemy* as a way to forget your own repressed sexuality.

It is also interesting to take a look at Célestin Freinet, a « pedagogue » which embodies for many in France and elsewhere the positivist dream of educating the young to solidarity, a socialist education which of course does not take into account natural tendencies of humans to not care and prefer their own egos to others – Freinet met the spouse of the deceased Lenin in september 1925 in the Soviet Union, he had *of course* strong links to other men, for instance famous communist Henri Barbusse and the lesser known Henry Poulaille, both a « communist libertarian » and a man inspired by Michelet¹⁶, Péguy and Sorel, the most famous theorician of the national-socialist revolution and the theorizer of the revolutionary lie – the « myth ». Sorel was a engineer of the high corps of the nobility of State (Polytechnique, Ponts et Chaussées) who formed a couple with a... illiterate worker, a woman that died early – it is more than tempting to diagnose, as in Althusser's strangulation, a feminicide followed by a simple revolutionary myth : dedicating *to her* his *Reflexions on Violence*, most brutal and joyful, for a hater, ex-post insult to somebody not seen as a human but solely a tool. Later Sorel had a close disciple (Edouard Berth) with whom he shared the same mysticism – the « society of producers » - in what obviously was homoerotic bonding between repressed homosexuals.

In history the closet relations between national-socialists and socialists are rife. Among politicians Jean Jaurès is one simple example for he had close relations with the ultra right-wing Maurice Barrès and shared with him antisemitism. His assassination by the far right might have been the late product of some kind of love failure between the two men. Salvador Allende's eugenic theories as a young man are well known (they also included the belief that homosexuality can be cured by implanting testicle tissue in the abdomen, that « Hebrews » are « well-known » « committers » of « crimes » including « usury », as stated in his PhD dissertation), and his intervention for the protection of a former German Nazi, Walter Rauff, in 1972, as well. A love issue can be proposed as a simple explanation of Allende's behaviour as regards Walter Rauff. Allende's relation with Pinochet is also problematic in that Pinochet was granted his position in the Army by Allende himself, and Allende « trusted him to the end » according to most reports. The strong cooperation between the USSR and Nazi Germany has already been discussed but the use of Medieval-era

16 A paper of Pirot (2018) discusses homophobia, racism, antisemitism and non-Popperian theories in Machiavelli, Rousseau, Sismondi, Michelet, Marx and Keynes, it is available on HAL : <https://hal.archives-ouvertes.fr/hal-01869265/document>

nationalism by Ceausescu, the racist policies in socialist Bulgaria in the 1980s (leading to the expulsion of about 150 000 Turkophones), the antisemitism in socialist Poland (manifest in March 1968), the close cooperation today between North Korea and Iran as well as Syria or the presence of a national-socialist party (the SSNP) in Syria along Bashar al-Assad as well as the known sympathies of British Labour leader Jeremy Corbyn for negationists and for Hamas and Hezbollah or the closeness between French far-leftist Jean-Luc Mélenchon and right-wing thinkers Patrick Buisson (Jean-Marie Le Pen is also known for having paid compliments to Mélenchon in 2017¹⁷) can be taken as examples among many others – in politics opportunism is the rule for all groups courting electors or using violence for their purposes and every new politician seems to be more opportunistic than those of earlier days, solely because the memories of past opportunistic behaviors fade quickly and hope is regenerated by the flowers and perfumes of each new electoral campaign¹⁸.

Repressed homosexuality has its forms. It produces narcissism – obsession about your own persona for you cannot truly love others. Each repressed homosexual attempts to exploit the others yet is easy, very easy to manipulate as well ; however the needs of manipulation require constitution of enemies – for scapegoating – making the dreamed socialist unity impossible – it is another, simpler form of stating Mises' socialist calculation impossibility for most humans in collectivity, repressing their homosexuality, focus on hating others and groups naturally divide over time. The history of Trotskyist chapels and their rivalries is in this regard a very direct and pedagogical example but the history of nationhoods in general – studied already in depth by historians such as Benedict Anderson and Eric Hobsbawm, through the deconstruction of what generations of national-socialist historians such as Sismondi and Michelet, spent their time building in the so-called invention of tradition¹⁹ – demonstrates the same tendencies. Discrimination by the construction of arbitrary differences is always and everywhere the essential tool of arbitrary power as it allows in many implicit or explicit ways to construct foes and then, in a further step, to depict them as « humans of a lower value », and the group to which the self belongs as the « only legitimate human » i.e. heterosexual group. The famous inhabitants of Sodom and Gomorrah are just a very early example of such nationalism. Scapegoating is one of the most simple ways for humans to repress their own bisexuality... and the construction of the national community one of the tool to co-construct the imagined heterosexuality, against the mirror image of the degenerated neighbour.

Hitler bonded with Lenin, he may have kept the hooked cross as a souvenir as Lenin was Kalmuk (Mongol) and the swastika is a typical Buddhist symbol that also was used in the early days of the Soviet Union on administrative documents and by some Red Army divisions – the hooked cross may also evoke the double S of *Sozialismus* ; the *sal und sig* runic meaning of the SS flag might also have had the secondary meaning of a direct reference to Sismond de Sismondi, who signed sometimes books with « S de S »²⁰ as well as a useful design for the lightnings of his elite forces –

17 <https://www.lopinion.fr/video/phrase/jean-luc-melenchon-complimente-jean-marie-pen-patrick-buisson-124320>

18 Who remembers that Franklin Delano Roosevelt got elected on a small-government platform ?

19 Sismondi's importance in the construction of romantic nationalistic histories has in this regard been totally forgotten

20 The stamp circled with laurels is reproduced in the cover page of *Cher Sis*, Scrittura femminili nella corrispondenza di Sismondi, Maria Pia Casalea & Francesca Sofia, Sismondiana, Edizione Polistampa, 2008

Hitler certainly knew Sismondi at least through the reading of Lenin and Marx, who both attacked Sismondi openly, and it is the opinion of the author that Hitler has certainly been driven by that to directly open Sismondi's books – the calligraphied D.S. (for De Sismondi) on the title page of the *New Principles of Political Economy* also may have suggested to Hitler the idea of the hooked cross as a symbol of a political movement inspired by what Lenin called Sismondi's « populism ». Stalin's love with Lazar Kaganovich can be evidenced through a clearly fabricated picture of the early 1930s in which Stalin has got his image pasted *along* Kaganovich – one leg slightly flexed while he stands in front – the posterior thus facing the anterior of Kaganovich²¹ – before Kaganovich became highly involved in the Holodomor and in the purges – he survived very long, until 25 July 1991, knowing perhaps « the last secret » on a man he survived *and killed*, as he acknowledged later to a journalist (Stuart Kahan). Kaganovich and Stalin look extremely similar – Stalin's narcissism certainly led him to fall in love of a mirror image of himself (Kaganovich is physically very similar to Stalin) that he kept preciously as a kind of talisman, refraining to eliminate him (and Molotov who *also* lived extremely long, until November 1986) – cf. the type of pseudo-love relationship of Jesus and John. The famous picture of Leonid Brezhnev and Erich Honecker actually kissing is another simple proof of their hidden homosexuality. An interesting case study is a 1972 movie produced in the German Democratic Republic (« Nicht schummeln, Liebling! ») in which women are pretty much invited to repress themselves and accept the dominance of men and of Communists : a woman who hates soccer eventually falls in love with a mayor who is using tax money to fund the local soccer team. In the German Democratic Republic in which sports were a rare entertainment for the masses, with very strong involvement of State authorities to promote doping, it was an accurate depiction of the repression process. Most movies produced in mainstream movie factories (Hollywood, Bollywood, etc) still depict, today, as well, heterosexual behavior as dominant and link heterosexuality and the traditional family model with freedom and social success. According to gay and transgender group GLAAD, 12,8 % of the 109 releases by the largest 7 studios of Hollywood included LGBTQ characters ; and these characters have a tendency of dying at the end of these movies. Nevertheless it is obvious that Hollywood also adapts itself to the average demands of the public which are directly impacted by the massive repression of homosexuality... bisexuality is particularly erased – the problems of *biphobia*, *bierasure* are particularly well-known in the « community ». The « gay character » is a trope with a precise definition, it offers a « box » in which some persons will want to insert themselves – the idea of the spontaneity of sexuality does not fit well with a society in which ideas are dealt with like hashtags, « dropped » in a conversation (as with « namedropping » i.e attempting to fit as many « recognized references » in a paper / speech etc. without knowing and understanding them really, as do poor students in their dissertations), where what matters is « signalling » - this « signalling » is simply part of the political activism of people looking for control and that desire for control is inherently contradictory with sexual freedom – the desire for political control (and control over human beings in general, outside politics, in family structures for instance) spills from *Unterdrückung* and from nowhere else.

21 The picture can be seen here
https://upload.wikimedia.org/wikipedia/commons/8/88/Dzhugashvili_with_Kaganovich.jpg

Narcissism is solely the product of repressed bisexuality. Be it preference for humans with a similar name, or similar look, or things evoking what they feel as « failures » in their own past in a permanent repetition of the attempt at reproducing the impossible heterosexual relation that is not made for them, it produces only sterile relations bringing no real happiness, only perverted pleasures relying on sadism, masochism, that instill sufferings in the conscience and self-damaging behaviours. Suicide is such a behaviour. But repressed homosexuals always want to take others with them in the ultimate lie to themselves. They attempt to bind together with others, to deface them so as to "mark them (to manipulate their mind) as a form of « property » that must « obey », before the final act of « leaving-together » (suicide being an extremum). Expressing his narcissism through the *fait du prince* is the dream of any dictator : having a city with his own name, as Alexander the Great, or pretending to be the liberator of a people and having portraits of your own person everywhere. Understanding that promising to others gifts to their own narcissism brings most people in your pocket allows to make way to more « security » for your own secret homosexuality. Yet the greatest projects have a tendency to run aground on the actually feared laws of nature, competition and rivalry, the spontaneity of the human mind. Providing to everyone the social welfare promised (either informal social welfare in community projects or actual social welfare) may not actually work for several reasons, one being simply that social welfare discourages work and thus lowers the average productivity of the economy, another that there are competing churches inside the State as, of course, repressed homosexuals always fight each other for the simple threat of being distanced and outed is enough to incentivize lots of efforts and new aggressive behaviours, new attempts at moral entrepreneurship to hide them, etc. The story of all imperialist states, in which that process accelerated always very quickly, is a simple quasi-pedagogical exposure of this permanent acceleration : the inflating bubble of imperialism and its huge economic costs to society, producing inflation and actually encouraging improductivity, since watching the successes of the imperial State (*instead of actually working*) is presented as a natural and beneficial behaviour ; yet all regimes in which the State intervenes in the economy are doomed to the same fate, as exposed for instance simply by the impossible sustainability of fiat currencies (let's simply remind how Hitler paid companies working for the State with bonds tied to value that was to be pillaged on enemy territory) and of the other forms of economic interventionism which are needed absolutely always & everywhere for sustaining the lifestyle of the imperial machines, by inflating artificially confidence in the State and guaranteeing to investors that it constitutes a good investment, until the bubble collapses²².

The economics of sexual freedom

Repressed homosexuality produces improductivity. It leads to narcissism. People spending their time looking at themselves, comparing with each other, never make a positive contribution to society as a whole as they do not understand what love really is, and, as a reply, attempt to impose products of their own ego to others. The general theory of mankind is the fear of animals and

22 This is also discussed more in length in Pirot (2018)

nature, and all socialist institutions cultivate that separation which breeds in humans more fear of animals, animal spirits, nature and love. Those who pretend natural selection can be escaped attempt to select preys for their bonding and will progressively invade their lives to attempt to dominate, secure confidence in themselves, in spite of their natural handicap, by proving themselves permanently they can dominate others and forgetting their own pain, by focusing on the sufferings of the other (*schadenfreude*). The State and socialism (in its Misesian definition) have proven consistently to be the most significant vectors of homophobia and producers of repressed homosexuality. The bubble of statism is coproduced by men and women everywhere who approve of oppression and encourage it through their own behaviour, reproducing it.

States need repression because they feed on the divisions to offer « services » of government-provided cruelty against the scapegoats that the repressed use for catharsis (a simple example is that people can vote to achieve prohibitions painful to the scapegoats ; or demand wars ; etc). It is obvious that the only stable set up in which people roam free is an end to States everywhere in the globe, and solely a free market, with contracts between consenting individuals, including for security, defense, justice... Wherever there is – for instance, a state-free continent and another area with a State it is obvious the remaining State will turn into an imperial machine using homophobia to try to invade and the simple threat, for bisexuals, of being hunted by an enemy State may be enough to encourage repressed homosexuality and start destroying from the inside the free market. This is *another* Lipsey-Lancaster paradox, its direct complement - the consequence of the « first » Lipsey-Lancaster paradox being that economic reformism from the inside to achieve a 100 % free market with no State is void and useless - a singularly well confirmed paradox as the « neoliberal » policies of the last forty years have mostly increased inequalities without producing more growth, exactly as predicted by Lipsey and Lancaster in 1971 and that the free market can be only achieved from outside the State and *not with its levers*.

For currency it is easy to trade stocks and shares and to slice them, with the associated rights (so for instance using phone applications, buying a piece of bread with 1/1000th of an Alphabet or Amazon stock... which is associated with 1/1000th of a dividend, 1/1000th of a voting right in the general assembly of the firm, *of course* – blockchain allows secure decentralized transactions). For defense, private companies willing to entice buyers to trust them will obviously be interested in owning nuclear missiles *and* these private companies *of course* have an interest in not having their customers nuked, so mutual assured destruction is ensured easily. Any company can take commitments and free competition increases the reliability of the shield, while diminishing costs steeply (as in States the classical overbilling and retroceding of tax money to private pockets of politicians is generalized).

On money disappearing from public accounts, a now-classical example is the research of Michigan State University scholars Mark Skidmore and his team on the 21 *trillion* dollars disappearing over 1998 to 2015 in Pentagon and Housing & Urban development administrations - it is sad however that these authors did not elaborate any explicit suggestion on the stealing obviously involved . Nothing like this can happen with private companies. No company can over emit « currency » in this system for it becomes at threat of being bought out. Plus, other currencies (gold, cannabis, for

instance) are always competing to automatically deflate the value of over-emitted stocks and shares. In other words, the free market is naturally balanced and this is no exception, there simply must be no authority around. What matters is to have no legal tender and to have an unlimited right of merchants to discriminate between buyers (no one should prevent a racist merchant to ask persons of another colour to pay three times as much for the same product than persons of his own colour, or even to refuse to contract with them – *contracts have to be wholly free*). It is free competition, and solely it, which allows human progress and maximizes the amount of contacts between persons – for instance persons opposing the racism of that merchant organizing a boycott or setting up other stores with a different price range, certainly highly enticed to innovate. Any ban (e.g. a ban on private weapons²³) means the beginning of a tyranny and vice-versa. Peace and tolerance provide an immediate leverage bonus for any company.

The obvious thing, however, is that refraining from sexual pleasure, and, more generally, from the open satisfaction of love instincts is extremely damaging for human health and that on the long run, all the repressed shall slowly be eliminated of the globe via simple natural selection, without *any* violence. *Patience et longueur de temps font plus que force ni que rage...* « Patience and more patience work better than force and fury » (Jean de La Fontaine).

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A rationalistic approach of the New Testament – based on Ludwig von Mises' economic theorems, on modern medical knowledge and on Michel Onfray's comments

Introduction

The cannabis oil was certainly used in areas of the Middle East before the events presented in the Gospels. Cannabis oil has healing powers that perfectly regenerate the body and mind. Its stem cell boosting, anticancer, anxiolytic, appetite-increasing, bactericide abilities for instance have been proven by a wide list of medical articles. Cannabis terpenes have antiviral properties as well. The abilities of cannabis allow, when using it as food, to heal simply any disease – except death, of course.

Cannabis oil was obviously « discovered » by the Christ, independently or not of other origins, for instance ancient Egypt where its properties were well discovered in diverse papyrus (for instance the Fayyum papyrus mentions its use against tumors ; another papyrus, much earlier, is entirely dedicated to colorectal diseases ; see Russo 2007 for more details). Christopher Bennett has presented archaeological data on the use of cannabis in the area of Jerusalem.

There is an implicit hypothesis behind this paper which is that Roman law was applied very strictly by the Roman administration.

And another clear fact is that if Jews hated the Christ as described in the Scripture the body should have been defaced and *kept by the crowd* and not abandoned to people loving him to be put into an isolated tumb. He should have been thrown into a mass grave.

Jesus Christ, a simple politician

The first theorem of rational action is that actions are deliberate, and guided by personal interest. The certainty is that Jesus Christ decided to seize his discovery and use it for *political* purposes as he had a desire for control and dominance.

This is evidenced thanks to French philosopher Michel Onfray's discovery that Roman law, for such a case as *false prophecy*, indicated that death had to happen through lapidation. It is obvious that lapidation did not fit the « glorious » death a prophet needed *to scenarize*.

The second issue is that after resurrection the Christ disappears quickly and *his disciples leave the area*. Why ? Occam's razor (choice of the simplest answer) indicates simply that it is because he was not crucified.

Jesus had a very personal relationship with John. John obviously scenarized the death and was the one in charge of convincing the *other* disciples after coming back. John is the only one to tell the story of Lazarus' « revival » which evokes a pre-draft of Jesus' own revival in the cavern – unlike the other healings it can be assimilated to a mind manipulation trick, a way to « pave the road » to the next scene. Their closet homosexual relation (certainly real and sexual) is obvious.

Jesus' attempt was obviously to appear as if he had been *crowned by the Roman representative himself as king of Jews*. So as to present the crown as irrevocably set on his head. Because he had to convince the Jews with some sort of *fait accompli* (« *done event* »).

After carrying out a number of « miracles » using really cannabis oil – as the French and English kings will later do, esp. for scrofula – Jesus set up a disappearance.

Hypothesis 1 : Jesus might have been simply lapidated and defaced, but quickly recovered by John, healed with cannabis and would simply have told another story, more impressive, to his small group of followers. The scenario looks hazardous, risky in undertaking but is medically possible.

Hypothesis 2, which the author prefers because of the hard bet involved in hypothesis 1 for the « players » : Jesus and John simply drafted together a narratio that had to escape the knowledge of the Jews – because it did not really happen. The sole secret use of cannabis allowed to bring the other disciples in a state of semi consciousness (because of their absence of knowledge of the plant used) in which their mind could have been manipulated.

At the end of the manipulative work they had to leave. It seems highly possible that the trick used to get the disciples in a semi conscious state was, simply, the last supper.

Hypothesis 2 bis – the manipulation of mind of the disciples could have started much earlier and the whole story set up in their mind by Jesus and John.

However both hypothesis 2 and 2 bis are concluded, in the view of the author, with the same issue : dismemberment.

It seems obvious that the disciples understood they were drugged *because of the relapse during the days of absence that were needed for the scenario* and colluded together to 1. assassinate Jesus and 2. tell the actual story they had started to tell but keeping on doing miracles using the oil and other tricks, so as to attract the attention on *themselves*, and get revenue from e.g. donations of believers.

The killing of Jesus had obviously to be hidden. A simple psychological fact is that the Christ presented the drug as his *own body and blood*. Perhaps the drug of the last supper was not cannabis (more likely opioids).

Hence cannibalism as a « retorsion » is suggested.

Cannibalism can be seen as a « magical cure » by people having felt they have been lured by somebody telling them, as they were deeply under influence, they were « eating him ». This is a simple deduction relying on René Girard's analysis of similar situations in other places, by other civilizations.

And, the cannibal act was followed by an actual « use » of the energy provided by the crime – so as, obviously, to reproduce it, by spreading the words of the victim, with the fuel of his own blood and flesh, as the victim told them to do.

A simple consequence

Antisemitism... presenting Jews as the authors of the killing of Jesus allowed to spread the « gospel » and build the political career of the apostles, but it could not happen in Judaea, especially as the crucifixion did not happen.

It obviously fixated for long antisemitism in Europe.

A question on the sources of knowledge on cannabis oil

The Ancient Testament mentions « kaneh-bosm » and presents decoctions. This could have simply been the source of the Christ together with Ancient Jewish rituals.

This knowledge in the area of Judaea meant that the « story » was especially not credible there, to Jews.

It could give more credibility to the lapidation scenario of hypothesis 1. Yet the absence of signalled testimonies for that lapidation compels to eliminate this hypothesis.

The Christ seems to have attempted to be crowned king of the only population he could *not* control with cannabis oil, knowing they would have understood. In usual reports he is not pictured as having a « Semitic » profile and this suggests a non-local man having had the bad idea in the bad place.

Jesus is a very very common name in Judaea and could certainly having been selected by a foreigner. Possibly a man having been in Egypt where he would have also learnt of cannabis uses for medical purposes and of Osiris' tradition and attempted to reconstitute it around him.

He would have certainly had no knowledge of the fact that cannabis was *already* known there and have carried « miracles » that would have created a reaction of Jews actually knowing the reason of these « miracles ». Then he would have had to design a more complex trick for which he picked his boyfriend as man of confidence (homosexuality was common for Romans). Inspiration from Osiris' myth is obvious in the New Testament's crucifixion scenario. This coincides with hypothesis 2 (not the 2 bis). Together with the proven knowledge of cannabis use in Egypt for many medical purposes it leads to the conclusion of this paper. Jesus was a foreigner attempting to seduce Jewish crowds because of a will-to-power propped up by the feeling of having a particular knowledge, which was not in fact particular in that area of Jerusalem, together with the reading of local prophecies which he felt he could exploit, as a simple political opportunist. His trick backfired and he got dismembered by his own disciples.

The hypothesis that a Roman politician planned such a coup, without the knowledge of the actual secret of Jewish medicine but thanks to knowledge they had gained in Egypt after its very recent conquest, is the most likely.

Jesus, a Roman politician...

Seeking to replace Pilates. He had to be a « healer », a fine politician which the empire he wanted to cooperate with had attempted to protect ; Jews being responsible of his death and God pardoning him was the best way to submit them.

Why is Jesus saying the Jews have to pay their taxes, showing the face of the emperor on the coins ?

Both a rebel and a man faithful to God and obedient to Rome, not even accepting the crown (*tu dices*). The false rebel i.e. the populist. Using ancient customs and mind manipulation together with some gratuitous charity action. Fortunate enough to not even have to actually make *promises*. Obviously killed by the automatic failure of « social planification », the ancestor of socialist planification.

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It should be noted that the stem cell boost effect of cannabis and its ability to get cells to migrate leads to the obvious consequence that even birth defects can be normally cured with cannabis. There are also ways to prevent all these diseases, and it should be understood that the sole absolute free market guarantees perfect availability of cannabis oil...

Alpha emitting nanoparticulates, the forgotten pollutant

Already in 1972 a document from the Oak Ridge Y-12 plant pointed that depleted uranium fires present “a radiological hazard” and “adequate respiratory protection is needed” in their vicinity. There is a wide list of sources of contamination by alpha emitters : radon, drink- and seawater, “NORMs” in coal, fertilizers, oil, gas, building material, ore mining, and artificial sources (atomic test fallout, nuclear accidents, depleted uranium weapons...) all able to go through the food chain (esp. meat). Waste incineration burns lots of products (eg plastics) contaminated with NORMs. Sewage also brings alpha emitters from the food chain recycled for agriculture. The IARC Group 1 list includes all alpha emitters in internal contamination. No study on chemicals and health ever confronted the results with that list. The very limited effect of chemicals can be predicted from the weakness of the chemical energy the atom can produce, approximatively one million times inferior to the energy of a single alpha decay – 3 to 7 MeVs. This is here demonstrated – and the linear no threshold model for radioactivity and health confirmed - through an extensive study of existing epidemiological results, using the radioactivity source easiest to track, natural radioactivity.

Birth defects epidemiology
Cancer epidemiology
Environmental epidemiology
Alpha radioactivity
Gene – environment interaction

Introduction

The dangerousity of uranium has usually been associated mostly with its chemical properties but the long list of effects that have been linked to its chemical properties can be in fact explained much more accurately by damage caused by alpha particles. The simple hypothesis made in this paper is that the carcinogenicity, mutagenicity and teratogenicity of a contaminant is linked to the actual kinetic energy it is able to produce per unit of contaminant ; it is directly verified. The chemical energy of the atom is millions of times lower than the energy of alpha decay. The link between radon and lung cancer has been established long ago (the link between radon and skin cancer is also increasingly under the spotlight), as well as the capacity of uranium and its descendants to travel in the body – see also Langlois et al (2016) for a direct link between low levels of increase in radon exposure and birth defects. The ability of nanoparticulates of uranium and other heavy metals such as lead (the final decay product of uranium) to accumulate in the blood and to travel through the nerves to the brain is demonstrated (Tournier et al 2009). The carcinogenic effect of low doses of alpha particles has been verified in vitro (Iyer, Lehnert, Svensson 2000). The mutagenic effect on DNA (found for instance by Chen, Meyer, Hill et al 2017 in Gulf War veterans, confirming the obvious dangerousity for the entire organism of exposure to alpha emitting nanoparticulates and other sources of DNA damage) is also explained by the high relative biological efficiency of alpha particles (see Nagasawa and Little 1992 for the example of a RBE of 6500, on gametes of hamster, underlining the extreme sensibility of gametes and thus the already existing presumption that alpha emitting nanoparticles will lead to strings of birth defects and hereditary diseases). The mutagenicity even at low doses of radioactivity has also been demonstrated through a careful epidemiological review (Mousseau and Moeller 2013) which is used in this article together with the research of Schmitz-Feuerhake, Busby and Pflugbeil (2016) as the basis for further demonstration of the significance of the effects of alpha emitters in internal contamination together with the recognition by the IARC. Some elements allow to quickly draw a map to a common source to hereditary diseases : common genetic factors between autism and schizophrenia have for instance been established (see Guilmatre et al 2009) and persons with Down Syndrome have also a more

important incidence of autism and of several other conditions (ADHD, Alzheimer's, blood diseases, endocrine diseases...). The USSR used uranium mines of the Gulag as death camps and China's Laogai uranium mines can be legitimately considered as another *ongoing* occurrence as the Huise mine has been named "Unit 731" by Chinese authorities, a transparent and cynical reference to crimes against humanity of Imperial Japan²⁴. Tribunals granted compensation to the victims of radium in manufactures (cancers, especially in the jaw) before World War 2. The point of the paper is to show the significance of the linear no threshold model through a wide ranging interpretation of the regional epidemiology of a number of diseases, pitting it against regional variations of natural radioactivity.

Materials and methods : Variations linked to natural levels of radioactivity

Countries with regional variations of natural radioactivity and a good hospital system have been selected and studies showing the regional epidemiology of diseases in these countries have been retained. They are followed with an analysis of artificial sources of contaminants.

A quick comparison with natural radioactivity levels of countries where incidence and prevalence was surveyed shows clearly a link with natural radioactivity, explained as always by either :

- direct damage in the brain, synapses, or on any other cell of the body,... by alpha "shots" of uranium / thorium / decay products nanoparticles (Nielsen et al 2012 provide good illustration of the destructive effect of alpha shots), able to travel all across the body, through nerves, blood, lymph, and, for cancer, subsequent proliferation due to proximity effect (cf again Iyer et al), or :
- Genetic change in gametes caused by alpha shots inside gonads, leading to mutations in the genes of children even though healthy carriers of mutations can extend over generations the emergence of illnesses (two healthy carriers of damaged genes (because of alpha shots) giving birth to a sick child) or genetic change in localized areas of the body leading to local changes in behaviour of the organism.

Only some physical contaminants such as wood chips or asbestos are able to create damage similar to alpha decay yet the area they can contaminate is limited by their sheer size, as opposed to heavy metal oxide nanoparticulates which can travel throughout the whole body.

An early version of the work exposed in this article was provided to the European Commission DG SANTE, which replied in a written letter that it "*will take the freedom to refer to it in future discussions*". A copy of the letter to the Commission and of the European Commission's reply is included (Figure 1, Figure 2).

Natural uranium, depleted uranium, and all the radioactive decay products of uranium, as well as thorium and all the actinids, transuranics, present the same problem as they are mostly alpha

24 Historical data from authors such as Anne Applebaum, Zhores Medvedev and Nicolas Werth confirming it as well – this article presents the available evidence, including a very explicit Associated Press press release of 1986 mentioning trainloads of 4000 to 5000 Gulag prisoners every few months in a uranium mine as well as isolation rows between work alleys <https://depleteduranium.org/2018/02/26/uranium-mines-the-death-camps-of-the-soviet-gulag-les-mines-duranium-camps-de-la-mort-du-goulag-sovietique/> - the practice of using slave work in uranium mines is still widespread today in current or former communist countries and other autocratic regimes, see <https://depleteduranium.org/2018/10/24/uranium-mining-death-camps-in-mongolia-iran-and-turkey/> for proof with Google pixellization (black pixel crosses typically) in areas where the uranium-rich geology is evident in China (one location matches the Huise mine), but also Russian Federation (in the area of the Siberian Trapps), Albania (under the direction of Turkey according to a source), Turkey itself, Iran, Mongolia, Nepal, Venezuela (with Russian and Cuban agents), and North Korea.

emitters (there are some major beta emitters in actinids, Pu241, and Pb-210 in the uranium decay chain for instance, but these are a minority). The oxide nanoparticles from the ground, as well as depleted uranium oxide, are all able to travel through the body. They can for instance travel to the bone marrow and cause leukemia, but any cancer is likely to be caused by some alpha emitter because nanoparticles can travel everywhere. Many other illnesses can be triggered by alpha emitters: any nerve, any gland, any cell can be damaged, any function can be hindered or permanently destroyed. The diversity of symptoms of the Gulf War veterans is proverbial.

In France, the 2015 map of the relative risk of infantile cancer published by the French National Cancer Institute (INCA 2015) reproduces quite well the map of the radon potential of the grounds, especially the ex-post estimation according to a Bayesian hierarchical model. Three of the departments known for high natural radioactivity (*Loire, Puy de Dôme, Finistère*) have an above average relative risk ([1.05 ; 1.09]) of infantile cancer (mostly blood and central nervous system). All the departments where the relative risk is under average ([0.93 ; 0.95]) are departments with low background radioactivity, according to the IRSN radioactivity map. NORMs in oil can explain why the other departments where the relative risk is high are departments with dense urban areas (*Haute-Garonne* (Toulouse), *Bas-Rhin* (Strasbourg), *Gard* (Nîmes, bordering on Avignon) and *Hérault* (Montpellier), four departments which also have some high natural radioactivity areas, and Paris as well as the *Hauts de Seine* (a very crowded area)) – the effect of the sole high natural radioactivity being equivalent it is an easy hypothesis that the carcinogenic element in urban areas far from high natural radioactivity (where building material does not come from such mines...) is NORMs in fumes.

On acute lymphoblastic leukemia in the US age-adjusted incidence is also lowest in the South, an area with a typically very low natural radioactivity, and in non-Hispanic Blacks, whose populations are concentrated in that area (Siegel et al 2017). Data on leukemias also show a similar trends with rates significantly lower in Blacks and Hispanics (Centers for Disease Control and Prevention and National Cancer Institute 2017) which are groups concentrated in states with very low or average natural radioactivity. For Blacks, the same is true of non-Hodgkin's lymphoma, thyroid cancer, urinary bladder cancer, uterine corpus cancer, and breast cancer as well as (for females, less likely to smoke) lung cancer (American Cancer Society 2016). And the overall rate of cancer incidence in Hispanics is 20% lower than non-Hispanic Whites (Siegel et al 2015).

A direct correlation can be established between radon and cases of Down Syndrome, on the basis of data collected in the USA (Shin et al 2009). It is possible to sort in ascending order of radon risk the ten US states that have been tested, and to observe a direct correlation with the cases of Down Syndrome (the more natural radioactivity the more frequent the syndrome), with Iowa and Utah having the highest rates and Texas and Arkansas having the lowest (the level in Iowa is 131% of the level of Arkansas and the level of Utah is 141% of the level in Arkansas)²⁵. In England, one of the least radioactive parts of Western Europe, the rate is only 6,6 / 10 000 (Wu and Morris 2013).

The higher prevalence of Down Syndrome in high natural radioactivity areas has also been demonstrated already in 1976 in India (Kochupillai et al 1976), confirming that it is more than correlation.

There is a more important prevalence of Down Syndrome in Hispanics in the USA (Shin et al), but it is extremely important to remember that the Iberic mountains (North-West of Spain) are one of the most naturally radioactive parts of Europe, which could explain a specific genetic heritage in American Hispanics having ancestors from that area. The pathway of cancer is linked to immediate contamination. Given the amount of alpha emitting sources and their oversight in most research on cancer, the case for a genetic origin of cancer, as for low levels of exposure to non radioactive chemicals, and for a viral origin of cancer, is extremely limited and all studies must be done again taking carefully into account alpha emitters.

25 Please note that the Georgia data was obtained only in Atlanta, and that the metropolis is located right upon an area which has a high natural radioactivity, unlike the rest of the state, according to the available map for US levels

Near the Iberian mountains, there also is an elevated rate of autism, according to a national study undertaken in Portugal (Oliveira et al 2007) on more than 332 000 children (questionnaires sent to directors of schools). The Azores, known for their very elevated radon levels due to hot fumes, have according to this study the most elevated rate of autism, and the South of continental Portugal (which has the lowest natural radioactivity in the country) has the lowest level. The level in Lisbon is also significant but the main source of potable water of the city is in Castelo de Bode, on the Rio Zêzere, an affluent of the Tage which takes its source in the naturally radioactive Iberian mountains²⁶. The autism rates reported in the Iberian mountains are four times the rates in the South. Gonads are more likely to accumulate heavy nanoparticulates and the higher rates of variation in genetic mutations (as compared with cancer epidemiology) can thus be extremely easily explained by the natural accumulation of nanoparticles in gonads (shown also below by the extreme gonad cancer rates in areas bombed with depleted uranium – see again comments above on the extreme RBE of alpha shots on gametes of hamsters found in Nagasawa and Little).

In Finland, mental illnesses, including schizophrenia (see Haukka et al, and Stoll et al for a map of mental handicap in Finnish adults) are correlated very well with geological outcrops of uranium, which are concentrated in the North-East of the country according to the GTK (Finnish geological service) map of deposits and mines, in black schist, quartzite and not in granite (Geological Service of Finland 2018)²⁷ : the exploitation had been planned in Sotkamo together with other ores, there is a mining project in Nuottijärvi and a former mine in Paukkajanvaara, most of the other mining claims / deposits are in Lapland.

Natural radioactivity is higher in the South but uranium is cast into granite and dissolves thus much less easily in water ; uranium mines lead to a very high contamination of the surrounding environment and, in general, uranium from more porous ore is more easily drained into water. Furthermore lichens, the feed of the reindeer, an important protein source in Lapland, may absorb important levels of radioactive elements, for instance radon-222.

Cancers and Down Syndrome are the swifter to conclude on because of the easy diagnostic and the anterior research. DNA damage may be one factor affecting meiosis, but direct impacts of alpha particles from radioactive sources that have migrated into the gonads, if they are occurring during the meiosis process are likely to be another major element involved. The Finnish results directly contradicts usual claims that schizophrenia is concentrated in cities (diagnosis is certainly quicker in cities because of the frequency of human contact and there are more clinicians available) and a more careful survey of other countries should produce similar results. For autism the Portuguese study was wide-ranging, furthermore the peak of autism cases in the Azores is again difficult to associate with other types of contamination than radon (there is no big industry in the islands). All of these results also confirm the ability of radon and its decay products as well as of uranium and thorium dissolved into water to travel into the body and reach vital areas such as bone marrow, gonads and the central nervous system.

On neuromuscular diseases, in spite of the low incidence of the diseases, the epidemiological data available (Bhatt 2016) still allows to draw conclusions. One can compare for instance England, the Netherlands, Denmark and Norway, Eastern China (Jiangsu...), the US “Old South” including Texas, where the levels ought to be low, with the US, France, Germany, Ireland, Scotland, Italy, Spain, Australia, Japan where they should be higher. For *Myasthenia gravis* the epidemiology matches perfectly this differentiation on natural radioactivity grounds. For Guillain-Barré syndrome

26 It is very easy to see the trace of radioactive sediments in the final part of the Tage in the LNEG radiometric map of Portugal http://www.lneg.pt/download/7078/radiometric%20map%20of%20Portugal_portal.png demonstrating the contamination of potable water in the city

27 A map of mines and mining claims is also provided by a local groups of activists against uranium mining https://pyrophor.files.wordpress.com/2017/05/uranium_industry_in_finland_2012-02_-_laplands_people_against_uranium_power.jpg confirming that extraction took place and is planned in the North East

too, the matching is absolutely perfect (it makes sense that the levels are low in Eastern China and Cantabria). For amyotrophic lateral sclerosis there is a good amount of data, especially on incidence, there are several matches (low level in Texas, in England, in Uruguay, higher level in Ireland, Nova Scotia (high uranium potential), Scotland, France, Missouri, Italy, Sweden, Japan in one study, Germany) but a few discording elements (Netherlands, Norway have a higher level than expected), though *these are countries where the diagnosis is maybe easier thanks to the high quality of health services* (and these are diseases for which the variations are more difficult to detect due to the low incidence).

For inclusion body myositis Bhatt provides data that may be partly conflicting but in Dimachkie and Barohn 2012 the levels are low in the Netherlands, higher in Australia and highest in Minnesota (two areas of uranium mining). Some other neuromuscular diseases have high levels in low radioactivity areas (e.g. Duchenne, Becker). One simple explanation is an anterior contamination (before populations migrated and settled down elsewhere) and mutation of maybe a single gene in a few subjects that may have stayed in the genetic pool (because of the limited level of immigration in e.g. Norway and England until the industrial revolution). It is important to understand that (as already suggested by Mousseau and Moeller in their concluding remarks) very low variations of radioactivity may lead to a strong regional divergence after dozens of generations (and, in some cases, even far in the past before the age of coal use, events such as volcanic eruptions can change the exposure of a population to alpha emitting nanoparticulates, making genealogy of the mutation harder). The idea of a “genetic predisposition” is thus very difficult if not simply absolutely impossible to establish with human means and does not really make sense if looked at through the lens of a tradition of eugenism that has certainly perverted scientific research over the years in the 20th Century.

Results : a confirmation of the effects of depleted uranium bombings and of the linear no threshold model for alpha emitters in general

Alpha emitters can damage absolutely anything from the inside of the body. Nanoparticulates travelling anywhere can hurt any cell and cause every kind of dysfunction. These effects can be shown using mass aggregates and juxtaposing them with variations in exposure to radioactivity, and, unfortunately, the vast fields of use of depleted uranium weapons have provided the biggest live experiment for medical science ever known in the history of mankind. The simple study of DALYs 2000-2015 provided by the World Health Organization, looking at data in Iraq, Pakistan and Afghanistan allows to see it (Table 1). Pakistan has a GDP per person of 1 547 \$, Afghanistan of 586 \$ and Iraq of 5 165\$ as of 2017 according to World Bank data yet a few increases are even sharper in Pakistan. A rapid chi-square calculation confirms that Afghanistan, Iraq and Pakistan are highly correlated (chi-square is ~91,37 for 38 degrees of freedom) and that their average evolution is totally decorrelated from the average world evolution. The link ovary - testicle cancer and birth defects is particularly obvious and demonstrates with force the common cause : depleted uranium dust going down the body because it is a heavy metallic element and circulates with gravity down the body. Testicles, for instance, seem slightly more exposed than ovaries (confirming once again the effect is linked to DU dust as they are more of a receptacle than ovaries and we actually find that the biggest increase in the whole dataset to be for testicular cancer in Pakistan) but they are all very exposed to contamination.

The effect is here also clearly confirmed for blood cancers, immune and endocrine disorders (to be linked with the hypothesis of the abilities of nanoparticulates to travel anywhere and damage any vital cell) as well as heart diseases and circulatory diseases, sickle cell traits (a clear case of genetic effect) and disorders, haemoglobinopathies and haemolytic anaemias. Birth defects are in fact the

only diverging dataset which suggests either censorship from local authorities or lack of transparency of local communities regarding birth defects which may be or have become a taboo in the more remote places that have been the main targets of missiles and bombs in Afghanistan and Pakistan (especially as the use of depleted uranium in these countries is much less known than in Iraq). Yet one alternate hypothesis (on the genetic damage Schmitz-Feuerhake et al note that at high doses we can expect sterility or fetal loss instead of e.g. a birth defect) which seems more likely is that the acute contamination has produced more severe birth defects and much more miscarriages explaining why the total amount of birth defects does not increase as much in Pakistan and Afghanistan while the rest of the diseases increase more violently. This hypothesis is entirely confirmed by the extreme rate of maternal, foetal and neonatal loss in Pakistan (McClure et al 2014) which has for instance a stillbirth rate (56,1 / 1000) more than twice as elevated as the rate found in India (27,9 for the highest) and even more than in Zambia (21) and Kenya (21,2). Another table provided by the WHO Global Health Observatory data repository for stillbirths is also topped by Pakistan (with 43,1, Nigeria second with 42,1, Afghanistan at 26,7) and another onground study collecting data on 53 524 births in Kabul provides a stillbirth rate of 38 (Betran et al 2009). Pakistan has a GDP per person much higher than Burundi (320 \$), Malawi (338 \$), Sierra Leone (499 \$) or Liberia (456 \$) and gets a much higher rate of stillbirths than these countries according to the second table. The record level of stillbirths in Pakistan and Afghanistan matches the very high level of testicular and ovary cancer and leads directly, for a country massively bombed and as we have significant proof of the use of depleted uranium in such missiles and bunker busters, to the contamination by heavy depleted uranium dust. And it is the only common sense answer to such a common explosive trend for all illnesses recorded by the WHO in these countries. The three tested countries follow quite clearly the same trend over all diseases : Afghanistan and Pakistan have similar increases, Iraq is behind. This is simply a proof that uranium dust tends to behave the same way in any body and that thus on aggregate on large groups of population it is possible to predict the approximate number of cases for each illness.

Israel sees a rise of +101% in testicle cancers, +81% in corpus uteri cancers - corpus uteri cancer increases by +54% in Afghanistan, where ovary cancer also increases by +93% ; inequalities of gender in these countries can obviously explain why the +200% in testicle cancers in Pakistan stands alone over the same period (corpus uteri cancer only increases by +21% in Iraq and +24% in Pakistan), consistent with the trend of heavy alpha emitting nanoparticles brought by gravity to the bottom of the body. Foreign doctors are much more present in Afghanistan, enticing perhaps more access to medicine for women than esp. Pakistan. Interest for issues such as rectum & colon cancer might also have increased because of the presence of foreign doctors as it is a “shamed” part of the body and these cancers are noted as increasing similarly in Afghanistan (+110%) and Saudi Arabia (+108%) whereas Pakistan (+60%) and Iraq (+50%) are behind. The trend is absolutely identical for prostate cancer (+81% in Afghanistan, versus solely +35% in Iraq and +62% in Pakistan). This confirms an absolute under-estimation of cancers in Iraq and Pakistan for cancers of the “intimate parts”, especially for cancers specific to women’s reproductive apparatus.

Israel is surrounded by warfields where bombs are intensely used, the absence of use of depleted uranium by Israel in Gaza and Lebanon does not mean absence of fallout in alpha emitters²⁸. The bombings in Syria by the USA, United Kingdom and France have brought additional fallout with depleted uranium. The increase in cancers in Israel might not only be linked to local industrial growth and urban pollution but also to the obvious effects of the Hizbullah & Hamas rockets’ Pu239

28 All antitank rockets need a small tip with highly enriched uranium, plutonium or another fissile material, compression at impact brings atoms closer, reduces likelihood that neutrons (from a neutron source like Po210 + Beryllium) escape without starting fission, hydrogen is also added as paraffin ; the French patenters of the patent 971 324 https://worldwide.espacenet.com/publicationDetails/originalDocument?CC=FR&NR=971324&KC=&locale=fr_EP&FT=E# already noted that « la masse critique étant proportionnelle à l'inverse du carré de la densité » - Nazi Germany was in fact the first country to use this to eliminate the left-wing militants in Spain and then conquer rapidly Europe and invade Russia. A picture of an actual antitank arrow with a small tip of highly enriched uranium is presented (Image 3).

& U235 warheads together with, less significantly, the fallout of the Israeli bombs in Lebanon and Gaza, and, even less significantly, some DU dust flowing with the winds from the war in Syria²⁹. As concerns Gaza the data on cancers and birth defects is sparse and contradictory – it is a clear fact that no significant pictures of babies with heavy birth defects have emerged from Gaza, unlike what would be expected in a context where militants are numerous and highly proactive³⁰ – plus, it must also be noted that one Israeli bombing in 2014 (seen in a Russia Today video³¹) destroyed what is in the opinion of the author, because of the strong fireball and very bright and long-lasting fire, a very small pebble-bed type nuclear reactor for the production of plutonium for rockets ; and, in the opinion of the author, the single documented case of an “Israeli depleted uranium bomb” - the Khiam crater (the cloud of smoke was also very thick) in which the United Nations Environmental Programme³² found a 10-fold increase of uranium in a localized perimeter in 2006, with the ratio of natural uranium, was simply another small modular reactor with natural uranium of the Hizbullah destroyed by Israel, for Pu239 production for their own rockets – to produce high amounts of Pu239 a nuclear reactor should incorporate a high percentage of U238 – a “clean” bomb with solely a tip of maybe 50 grams of highly enriched uranium, of which 1% fissions and the rest is volatilized by the fire, cannot produce any radioactive aftermath like this. The fallout from these heavy sources of alpha radioactivity must absolutely be considered in the discussion on the area.

The desalination of seawater (3 to 3,5 micrograms of uranium per kg of seawater, vs tap water levels of 0,06 to 0,4 micrograms per liter usually³³) and its use in homes means acute levels of exposure to alpha emitters because of naturally occurring uranium in seawater (even radon in a shower with desalinated water for instance) and seawater is desalinated in Israel. Saudi Arabia is another case with enormous rises in cancers that can be explained among other things by the massive use of desalinated seawater in that country. Seawater does not involve uranium nanoparticulates but *dissolved* uranium, this matches a trend with more blood cancers and less cancers of the reproductive apparatus, which the data confirms (in Saudi Arabia +158% in “other neoplasms”, +115% in multiple myelomas, but only +33% in testicular cancer, thus leading to the exclusion of a significant effect from depleted uranium dust in the winds in Saudi Arabia ; same for Jordan with only +8% in testicular cancers).

In fallout areas near Chernobyl the strong increase in cases of Down Syndrome has been documented (Rober-Gnansia et al 2007). In Fallujah in Iraq where depleted uranium weapons have been used, the observed rate of Down Syndrome (Alaani et al 2010) is 49 / 10 000 (30 cases over a sample of 6049 births), a study which also showed very elevated rates of birth defects of all kinds in the population of the city (see also Alaani et al 2011 for link between congenital anomalies and uranium contamination in the parents). An explosion of autism and ADHD cases has been noted in Fallujah after the bombings by Dr Samira Alaani and identical results were reported by Dr Christian Sueur in French Polynesia together with other pervasive developmental disorders, birth defects and several other diseases (France TV Info article). For schizophrenia, epilepsy and mental disorders in general the rates found in Vietnam are much higher in Thanh Hoa (North, area bombed massively during the Vietnam War) than in the South (Ben Tre) (RTCCD and MOLISA 2014). There is significant proof (for instance a document on the manufacturing of depleted uranium from the Y12 plant published in 1972 which already noted that depleted uranium fires present “a radiological hazard” (as opposed to a chemical hazard) and that “adequate respiratory protection” is needed in the vicinity of uranium fires (Hurst, Read 1972) – a document confirming the fact that depleted

29 The 2015 data for the WHO includes the effects of the beginning of the bombings of the USA, UK and France in Syria.

30 Including the production of dubious pictures of oxydised DU arrow with no context (just one hand holding them), no possibility to be sure that these were from Israeli bombs, by the Palestinian Center for Human Rights, in 2014...

31 « Huge blasts in Gaza City as Israel targets Hamas compound », Russia Today, https://www.youtube.com/watch?v=We_IT4qxH94

32 Page 151, report https://postconflict.unep.ch/publications/UNEP_Lebanon.pdf

33 Data taken from the WHO report https://www.who.int/water_sanitation_health/dwq/chemicals/uranium290605.pdf

uranium was manufactured already then, another confirmation of the fact that in the Socorro range the test of depleted uranium weapons started in April 1972, one month before the last massive wave of bombings on Vietnam (Operation Linebacker³⁴), demonstrating simply that it was the first occurrence of depleted uranium bombings, together with the fact that mental illnesses in Vietnam follow the same trend than in Finland (and of course the massive amount of birth defects and other illnesses blamed on Agent Orange in Vietnam and Cambodia), that depleted uranium was already used in the Vietnam War and that dioxin is not the true responsible of the birth defects and other illnesses after the conflict. In the Seveso accident in Italy in 1976, for instance, the actual amount of birth defects after the dioxin leak was not significant (Mastroiacovo et al 1988), contradicting again the link made between Agent Orange and birth defects in Vietnam. This confirms again the full validity of the claim that chemicals are totally unlikely to trigger in themselves birth defects or other hereditary diseases in children except in the unlikely case of massive contaminations as the likelihood that a significant enough amount of molecules reach gonades before killing the individual is much lower than for actinids which are naturally heavy nanoparticulates able to travel through the internal barriers of the body “in silence” (without causing rapid intoxication and death) and which can easily be carried down to the reproductive apparatus with their weight.

Thalidomide has certainly been wrongly accused of a number of evils, especially birth defects, like pesticides and many other non radioactive chemicals. In addition to the high number of natural sources of alpha emitters that have been listed above, the outbreak of birth defects leading to accusations on that newly issued drug happened right during the most intense atmospheric nuclear testing period (which of course included uranium and plutonium dust, ~90% (depending on the efficiency) of the fissile material of a nuclear weapon does not fission) and this combined with the findings in Le Vann 1963 also reported in Schmitz-Feuerhake et al compels to conclude on the invalidity of research linking thalidomide with birth defects. The supposition that a genetic predisposition to cancer is involved (the pattern for cancer seems to be the proximity effect (Iyer et al) and nothing more and it depends on the actual amount of energy dispelled onto the cell) should certainly be re-weighted against the most simple explanation on cancers (exposure to alpha emitting nanoparticles), however this paper also shows a large pattern of birth defects and other mutations from parental contamination leading to the idea that even if the genetic predisposition thesis for cancer was proven it could quasi-certainly spill from parental contamination by alpha emitters. The thesis that exposure leads to an increase in the male/female sex ratio (in Schmitz-Feuerhake et al) is also confirmed by the extremely high proportion of boys in the birth defect cases in Fallujah Hospital (after screening of all the cases provided by Dr Alaani over more than a year).

The main issue with calculating the effective dose for internal contamination with alpha emitting nanoparticles is the extreme diversity in organ sensibility and the impossibility to assess the actual localisation of the nanoparticles. It is not possible to offer anything else than range of probabilities based on a comparison with the existing body of human exposure cases. All factors of contamination, including depleted uranium fallout pushed by winds from the Middle East (as has been noted famously in Aldermaston by Busby and Morgan (2006)) have to be accounted, making this an extremely, extremely difficult work. All of these factors, without exception, should be isolated by researchers.

In Bhopal the author emits the hypothesis that uranium was in fact manipulated together with methyl isocyanate for research on uranium extraction from sea water. It is difficult to bring on ground evidence to support the hypothesis yet cyano agents are used for uranium extraction and research was done for instance on methyl isophosphonate-based uranium extraction and on a ligand prepared by condensation of the amino-H2TPBC with commercially available diethoxyphosphinyl isocyanate (in Lin 2011). It is also interesting to note (in Hurst and Read) that Union Carbide was

34 The depleted uranium as a forever-staying « linebacker », backing the war against Communist countries, is another implicit evidence as negotiations for peace with Vietnam were already ongoing.

involved in the manufacturing of depleted uranium since it published a document on its manufacture under a contract for the US government in the Y12 plant, and thus may have also been more in an industrial position to undertake activities related to nuclear fuel processing and related technologies abroad. Secrecy obviously surrounded the manipulation of uranium in the plant for commercial and / or military motives.

Discussion

In the Group 1 list of the IARC, asbestos and asbestiform fibres, fluoro-edenite fibrous amphibole, crystalline silica dust, wood dust and erionite are associated to an obvious physical destruction by the fibres of cells that explain the triggering of cell proliferation.

Sun and cosmic radiations (which in fact includes neutrons which also have a high relative biological efficiency, and more importantly protons that due to their positive charge will behave as alpha particles and focus all of their energy in the superficial area of impact, as well as some other atomic nuclei that can also be expected to have a very high RBE due to their mass) have to be accounted as well. Their effect is hypothesized to be quite low (nota bene : there are major particle impacts events explaining things such as the 993-994 spike in ¹⁴C in wood remains³⁵). Skin cancer has generally a single starting point which may suggest a proximity effect from the impact of a single “excess” proton or neutron (above the threshold of resistance of the body which can be significantly elevated with consistent use of e.g. sun cream as the weakening of skin cells by UVs will clearly allow for a more destructive effect of particles onto weaker cells and thus an increased likelihood that a cell proliferation is triggered). It is difficult to differentiate the effect of UVs from the effect of cosmic particles here³⁶. These particles may be expected to have as well a destructive effect onto the genetic content of gametes and on the rest of the body (for neutrons) yet for instance high variations of Down Syndrome were also found in Kerala depending on the natural radioactivity while exposure to sun can be assessed to be quite similar (the variations of altitude are not very significant and do not impact as well neutron exposure according to Kuzheshkij, Nechaev and Sigaeva 2003), and the rate of Down Syndrome and the cancer ratios studied in the USA and the rate of schizophrenia in Finland follow in fact a trend opposite to sun exposure (they are higher in northern areas like Iowa and North Eastern Finland than in the south coast of these countries), allowing to deduce that the effect of cosmic particles is not significant.

A quick estimation, on the basis of the rates of variation of the diseases studied in this paper linked to the sole variation of natural radioactivity, and given the high importance of other sources (NORMs for instance : the World Nuclear Association points to up to 15 millions of Bq of ²²⁶Ra, up to 2,8 millions of Bq of ²²⁸Ra per kilogram of hard scale and up to 200 000 Bq of ²²²Rn per cubic meter of natural gas, suggesting a more significant contamination of fuels than the ²²⁶Ra already found in a study on diesel dated back 1977 (Kulich 1977) – the fact that oil is becoming harder to find and involves more shaped charges³⁷ due to the exhaustion of the easiest to extract oil

35 Neutrons, as discussed in Piro, The unified model of nucleosynthesis and star & planet formation in black holes, nuclear fission, effusive and explosive volcanism, 2018, available at <https://hal.archives-ouvertes.fr/hal-01673630>

36 Similarly, a body permanently weakened by exposure to acute levels of chemicals (a worker handling pesticides without appropriate gear everyday for instance) might develop cancer or another illness yet this will certainly be a final consequence of the damage of alpha particles in internal contamination, or of neutrons / protons (undeveloped countries with low protection levels are likely close to the Equator, with a strong exposure to this factor), on parts of the body weakened by the chemicals and it is unlikely that the chemicals make any *real* difference as *all* agricultural works especially without good equipment are physically very painful ; handling of phosphate fertilizers, with their alpha emitting nanoparticulates, is the real carcinogenic, mutagenic, teratogenic (etc) work, and tobacco / alcohol abuse in workers of undeveloped countries can be expected, especially as an attempt to forget the pains of the work.

37 The book *Depleted uranium, the invisible genocide and the seeds of terrorism* which was provided to the European Commission in the email quoted at the beginning of the article and that the European Commission read « with great interest » explains why « NORMs » in oil and gas are mostly not of natural origin but linked to shaped charge

fields means that the numbers of the 1977 study are certainly much lower than what it is today) is that alpha emitting nanoparticulates account for more than 99,5% of birth defects and de novo mutations and more than 97% of cancers, in average.

It is the logical conclusion of the interpolation of the effects of a single source (natural radioactivity) with all the sources that have been numbered (they include "NORMS" in oil and gas, coal burning, phosphate fertilizers and the use of human sewage eputation residues for agriculture which will also contaminate fields with the alpha emitters passing into faeces, the fallout from atomic tests, depleted uranium bombings and their fallout, accidents such as Tchernobyl, the spreading of tailings from uranium mines due to lack of care of waste in the industry, as well as the contamination of meats from all sources, the incineration of human wastes that incorporate all these sources of alpha emitters e.g. plastics, food residues, the other mine tailings in high natural radioactivity areas... – not to mention some alpha emitters in volcanic ash). All studies on thalidomide, for instance, failed to account properly of all these sources and that there have been as many false positives as there have been studies on thalidomide. The same argument goes for pesticides and all other chemicals (TCDD, benzene, POPs, etc), arsenic, lead, mercury and all non radioactive atoms at low level, as well as helicobacter pylori, all the viruses seen as causal for cancer, etc. Alcohol for instance was produced with food stuff grown with phosphate fertilizers and / or residues of human sewage – same for betel quid and tobacco and for tobacco the actual contamination with alpha emitters has been already clearly demonstrated. Leather is a byproduct of the meat industry likely to accumulate alpha emitters as meat does ; hence a consistent contamination with leather dust (IARC Group 1 carcinogen) exposes to the incorporation of these alpha emitters. The glass industry, for instance, and all other plants where workers are exposed to furnaces burning with coal or oil lead to an exposure and glass itself when it is heated will expose the workers to more alpha emitters because the glass is produced with sand likely contaminated (any soil even with low natural radioactivity incorporates very low amounts of alpha emitters) and even though the uranium and its decay products are present in an oxydated state they will oxydise even more (from UO_2 to U_3O_8) and as oxyde nanoparticulates will contaminate the workers as well. The same goes for metal smelting (from the contamination of ores like soils) and the manipulation of mineral sands (zircon, tantalum, niobium, rare earth elements mining for instance) and building materials as well (as soils). What has been accounted as side effects of pharmaceutical drugs in experimental research may be for instance solely the result of a high radon level in the experiment room leading to disruptions or of the passing of a cloud from a secret nuclear accident in the area ; and the wider the set-up of the study (especially if research is undertaken on the long term outside a laboratory) the harsher it is to find all sources – even if a study happens on a short period of time stochastic effects cannot be eliminated because relatively high levels of exposure can be expected to have rapidly emerging effects on the body.

A phenomenon that can very easily be associated with the fact that decay after decay the half lives of actinids tend in average to diminish is the latency of onset of several diseases – for instance in the Gulf War syndrome. The first decay of the atom can take long but be followed by decays coming faster and faster (in the ^{238}U decay chain and even more sharply in the ^{232}Th decay chain), increasing over time the rate of emission of alpha particles and the likelihood of cell proliferation or significant nerve damage (etc). The same phenomenon is for instance an excellent

technology and can be replaced with deuterium without reducing the productivity of the extractive industries. Extractive industries also use fission charges, with radium and beryllium for the neutron source (a very elevated amount of radium is required because of the low neutron yield of (a,n) neutron sources, representing far more radioactivity than the small amount of highly enriched uranium used, and is the actual explanation for the absence of radioactive equilibrium in the byproducts of drilling ; it is clear that the choice of using radium instead of for instance tritium is explained by the need to make the contamination appear natural, as also pointed in the book). A simple fusion source with deuterium (thanks to compression, a few deuterium atoms will fuse and produce enough neutrons to start the blast) is much cleaner. Tritium would be more efficient but would create a radioactive contamination and it is also much costlier while the gain of using tritium can simply be achieved by using more deuterium.

explanation for the spiking of Down Syndrome in children of *older* mothers together with the more general accumulation of actinids in the body. The delayed onset of the Gulf War syndrome has been widely reported (in Kroenke, Koslowe and Roy 1998 for instance). The ageing of the body also of course contributes to the cell damage yet the peculiarity of the actinid decay chains is an indispensable explanation for that delayed onset and it does confirm once again clearly that the effects of these contaminants are linked to alpha emission and nothing else.

It may also be suggested quite logically that the paths for genetic changes are the same for humans, the fauna, flora and even bacteria or virus. Virus inside humans or cattle in highly contaminated areas are more likely to meet a nanoparticulate emitting an alpha shot that may affect its RNA (for instance) and lead to the emergence of new forms, some more aggressive due to stochastic effect. It seems that many of the most dangerous bacteria and virus have appeared in areas of high natural radioactivity : for instance the “Spanish Flu” in China according to the *Institut Pasteur*, and the 1347 Black Plague in Mongolia. For the Zika mutation the first outbreak started in French Polynesia and the link with artificial contamination from French nuclear tests may be suggested – the virus would have absorbed defective RNA from an individual that was born with microcephaly due to parental contamination with uranium and / or plutonium. The virus could have also simply mutated (without any input of human genome from RNA transfer) due to alpha emitting nanoparticles.

The well-known protective effects of masturbation in men against prostate cancer must certainly be extended to many other cancers in the urogenital apparatus and, more importantly, birth defects and hereditary diseases. They are obviously explained by the ejaculation of the radioactive nanoparticulates. Other practices such as coffee drinking can also be suspected to be beneficial for digestive tract cancers. It is obvious that in general a good hygiene of life (e.g. frequent physical activity together with a reduction of exposure to all sources) helps the body to evacuate a percentage of the nanoparticulate through e.g. kidneys by increasing blood circulation. Female ejaculation can, lastly, be suspected to be, for the same reasons, an important factor in the elimination of heavy metal nanoparticulates in women.

Conclusion

The linear no threshold model for alpha emitters is entirely confirmed. The same mechanism explains obviously the apparition of competitive mutations, that can thrive through natural selection, yet it is for the first time shown that the same mechanism that is the main responsible for evolutionary processes in genetics is the main responsible for hereditary diseases, cancers, birth defects. The increase in the use of depleted uranium in conflicts closer to the European continent, as well as the need to extract oil from more difficult-to-tap pockets needing more shaped charges due to resource depletion, and the increase of use of phosphate fertilizers, the increase in meat consumption, industrial activity and road traffic, explains very well many informal reports about a global increase of cancers and other illnesses in the European continent. Harsh measures should be implemented to stop contamination : prohibiting radioactive ammunition and cleaning the already existing contamination, and providing to the public world maps of natural radioactivity as well as clear information on its dangers on the long term. It is absolutely possible to rely on private businesses that have an incentive in providing these services (companies providing water treatment, for instance) and this ought to be much more efficient than relying on bureaucratic work.

To encourage people to drink treated water, to fight radon in dwellings, to discourage human consumption of meats that accumulate intakes of radioactivity because for instance of the water given to animals, to reduce the use of phosphate fertilizers (including for animal feed production) or, more simply, to extract alpha emitters from phosphates, coal, fuels, etc (or replace alpha sources with deuterium in shaped charges), for instance, the author believes that market solutions, i.e.

private undertakings and liberty of choice are the best way to achieve not only cost-efficient solutions but also social acceptability esp. in regions of high natural radioactivity where it may hurt the sensibility of inhabitants to forbid them for instance from drinking untreated water.

Ethics

No study approval was obtained.

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Data sharing agreement

More data on the massive use of depleted uranium in conventional warheads is available at the following link : <https://depleteduranium.org/2016/06/19/politically-correct-uranium-weapons/>

The ebook which was sent to the European Commission in the letter mentioned in the introduction of the article can be downloaded for free : <https://depleteduranium.org/books>

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Competing interest

None declared (the author, for instance, has no material link with the radon extraction industry or the water treatment industry which is anyway embryonic, and does not draw any income from his campaigning against depleted uranium weapons).

Patient consent

Not required. No patient and no public involvement, all data was collected anonymously.

Contributing statement

The sole author did all the research and writing work for this article.

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Description of the documents :

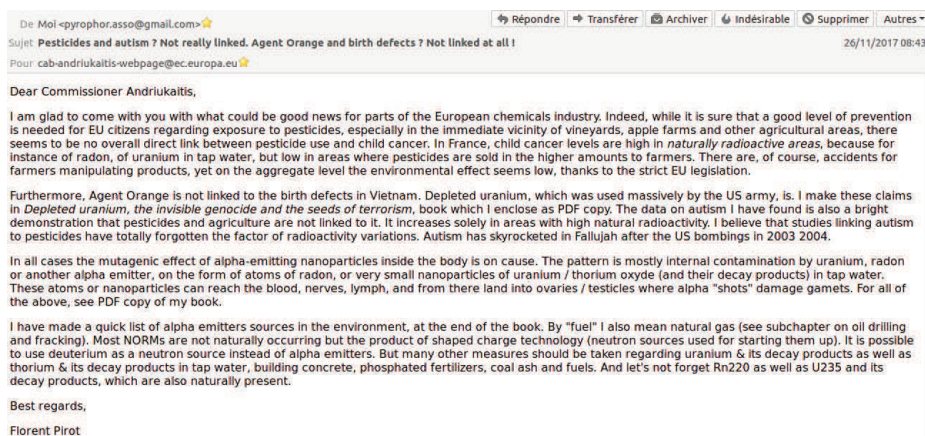


Image 1. A letter sent by a citizen to the European Commission dated 26/11/2017 presenting the basic outline of this paper as well as more contents related to depleted uranium weapons.



EUROPEAN COMMISSION
DIRECTORATE-GENERAL FOR HEALTH AND FOOD SAFETY

Food and feed safety, innovation
Pesticides and biocides

Brussels,
SANTE/E4/WR/gb(2017)49099

Dear Mr Pirot,

Subject: Your email dated 26 November 2017 "Pesticides and autism?"

I thank you for your mail addressed to Commissioner Andriukaitis, who asked me to reply on his behalf as my unit is responsible for the legislation concerning pesticides and for providing your publication concerning depleted uranium and its impacts on human health.

It is with a lot of interest that I took note of your findings and I will take the freedom to refer to them in further discussions on this topic with other interested parties.

Yours sincerely,

Klaus Berend
Head of Unit

Image 2. Reply of the European Commission saying it « will take the freedom to refer to » the findings.



Image 3 : The small piece of very ductile, non-alloyed highly enriched uranium is obvious near the head. Behind, this seems to be titanium-alloyed depleted uranium (« staballoy »). Picture obtained from an Internet source.

World increases Depleted uranium diseases	Afghanistan	Iraq	Pakistan
0,18 Leukemia		1	0,42 0,5
0,29 Lymphoma		0,55	0,33 0,41
0,27 Brain / nervous system		0,78	0,54 0,58
0,36 Other malignant neoplasms		0,68	0,34 0,68
-0,06 Birth defects		0,17	0,52 0,1
0,08 Testicular cancer		0,57	0,51 2
0,3 Ovary cancer		0,93	0,6 0,58
0,019 Oesophagus cancer		0,58	0,36 0,37
0,02 Stomach cancer		0,3	0,3 0,2
0,35 Colon and rectum cancer		1,1	0,5 0,6
0,38 Prostate cancer		0,81	0,35 0,62
-0,105 Thalassemia		0,28	0,2 0,65
0,083 Sickle cell traits and disorders		0,44	0,3 0,49
-0,06 Other haemoglobinopathies and haemolytic anaemias		0,58	0,27 0,37
0,57 Other endocrine, blood and immune disorders		1,14	0,7 1,29
0,16 Ischaemic stroke		0,66	0,28 0,5
0,27 Ischaemic heart disease		0,61	0,37 0,57
0,023 Rheumatic heart disease		0,4	0,22 0,349
0,24 Cardiomyopathy, myocarditis, endocarditis		0,84	0,45 0,75
0,22 Other circulatory diseases		0,89	0,41 0,74

Table 1. This table shows the evolution between 2000 and 2015 for the disease-adjusted life years (World Health Organization DALYs) of several diseases for which the link with depleted uranium nanoparticles is logical.

Nucleosynthesis and star & planet formation in black holes, explosive and effusive volcanism, geochemistry, bolides, the graviton / antigraviton couple, and spontaneous explosions of nuclear reactors

“In principle, nuclear reactors are dangerous [...] Nuclear reactors do not belong on the surface of the Earth. Nuclear reactors belong underground.” Prof Edward Teller, 1965

Abstract : The heavy elements are synthesized in black holes and expelled thanks to local supercriticalities inside. These black hole eruptions produce pieces of heavy atoms catching with them some of the black hole, a wrapping event around that black hole produces the star (in case there is enough mass for sustained fission), planet / moon and nuclear fission is together with fusion the motor of stars. This is demonstrated through many levers. Gravitational waves are constituted by waves of neutrons, when they impact the ground they may trigger underground nuclear blasts, that produce magma caves (explaining volcano swarms). Black holes erupting from the inside of the stars produce hyper variations in the regime of brightness (eruptive variables for instance), and in planets or moons, effusive volcanism, as well as supercavitating bolides (fireballs such as the one causing the event of the Tunguska in 1908). The strike of gravitational waves may be powerful enough, in a rare case, to blast all nuclear plants working in continent-wide regions. The ridge on Iapetus, the “actinide boost” in stars, “earthquake lights”, the U238/235 ratio and the “crown of stars in the sky” (in the New Testament) are examples of things that can now be explained.

The stars are fission-fusion engines (identical to H-bombs) and volcanism, on planets, is a much smaller scale fission-fusion process. Black holes are hidden in the core of all stars, planets and big moons, creating gravity forces and exchanging atoms with their surroundings (accumulating slowly atoms that they fuse into actinids and exotic atoms, and erupting, from time to time, causing hot spot plumes and, for stars, hyper variations of regime). The fusion of ternary fission products is the universal source of light elements – these are the basic bricks of life for instance. Black holes in free space (in nebulae for instance), when they erupt, give birth to stars and planets (as actinids expelled in the eruption catch with them a very small

portion of the black hole and wrap around it very brutally – if the weight of actinids is not very significant the impact is not so powerful and remains as seen, as a ridge - in Iapetus for instance). Bolides (fireballs, as the Chelyabinsk 2013 fireball for instance), i.e. very small pieces from black hole eruptions, also catch with them black holes magnitudes smaller than the black holes of the smallest moons³⁸, that drive them to areas with a strong mass (on Earth, fireballs go to areas of high mass such as castles, geothermal areas, big industrial clusters). Gravitational waves are made from relativistic neutrons and already triggered the explosion of a number of nuclear reactors, in spite of the weakness of the recent events in comparison with e.g. the 1604 supernova. Bolides and relativistic neutrons are absolutely impossible to predict. Relativistic neutrons can come before the light of a supernova if refractive material (glass-like for instance) is on the path. And the universe has no beginning (black hole eruptions allow to understand that the Big Bang was a local event, a very powerful black hole eruption from which all visible sources of light around us have emerged, and nothing else) and no end and is infinite in extent – reinforcing the point that future events such as black hole eruptions, supernovas and impacts of relativistic neutrons cannot be predicted.

Oklo is only the very tip of the iceberg – a seed for thought but nowhere near close to the extent of the importance of nuclear fission in nature – which is hugely significant, crucial in volcanism and star dynamism, and in the production of all stable elements (for the light elements before the split in the Aston curve, through ternary fission products and then fusion under intense pressure and heat). The « actinide boost » in a number of stars is a long-time issue which can be resolved – so is the issue of “volcano clusters” and the extreme solar particle events leading to recorded spikes in ¹⁴C and ¹⁰Be, as well as the depletion in ²³⁸U in volcanic lavas, star “bursts” in nebulae, antineutrinos found in acute levels near subduction areas of the Earth thanks to KamLAND in Japan, and many other elements that will be concisely presented in this paper. Some stars have been confirmed to be uranium and thorium-rich. This is confirmed by spectral research, see for instance Hill et al 2017 as well as Barbuy et al 2011. Both teams found U and Th – rich stars and used the classical theory to assess that these stars are very old. They should on the contrary be relatively *recent* agglomerates of matter. All of these elements, among others that will be presented below, can be linked to the same very easy explanation of nuclear fission in stars and planets – together with “earthquake lights” that simply show light from underground nuclear explosions escaping thanks to fault lines.

1. On volcanoes

Baryte and zirconium mines are located close to old volcanoes, as cesium and rubidium mines (Bernic Lake for instance is the most famous) ; one of the main mines for palladium and platinum, the Stillwater mine, is in the granitic Beartooth mountains of Montana ; volcano eruptions are also well-known sources of bromine and iodine that are light elements with a very low boiling points (see for instance Aiuppa et al 2005 on Etna emissions of bromine and iodine). All these elements are

³⁸ Except for micro-moons too light to catch a piece of the black hole with them, such as Pan or Prometheus, devoid of black hole, in which the sole force for the closure was the black hole of origin, from which they erupted, hence their elongated form

the daughter products of major fission products, for thermal neutrons. The part 5 of the article points to a geological differentiation based on the yield of fast neutrons, for the atoms indium and tin on which data has been found, explaining why they do not occur in areas of explosive volcanism (only in granite).

These elements already confirm that nuclear fission is the motor for magmatic formation and explain the contribution of water to explosive increases of magma in subduction magmatic chambers (tornillos which simply are nuclear explosions), as water brought by subduction is the perfect incident neutron moderator for nuclear fission supercriticalities propped up sometimes by the impact of neutrons from nuclear supercriticalities in stars. It suggests a direct link between novas, supernovas and volcanism. The KamLAND observatory presented the first proof for geoneutrinos in July 2005 (Domogatsky et al 2004 already noted a possible antineutrino confirmation of fission in the Earth's core) – De Meijer & van Westrenen 2008 use them to suggest continuously operating fission reactors in the Earth's core. MacDonald 1988 also notes findings of dihydrogen gas in the Kola borehole in Russian territory. This is also confirmed by the very high intensity of the antineutrino flux in KamLAND (much higher than in other detectors), close to a subduction area of the Pacific belt, as well as by research on the actinide content of volcanic ash. The ash of the St Helens volcano, for instance, was depleted in ^{238}U and ^{232}Th (Strauss et al 1981) when compared with surrounding soils. ^{238}U was also depleted relatively to ^{230}Th in volcanic ash (Huckle et al 2016). ^{238}U was more depleted than ^{232}Th in granite rocks (Rosholt et al 1973), including up to 165 feet underground after drilling the rock. The “removing” of uranium is easily explained by fission instead of erosion (as suggested by the authors of the last article). ^{238}U has in average higher fission cross sections than ^{232}Th , even for neutrons above 1 MeV. These elements confirm that ^{238}U , ^{232}Th are major contributors to fission underground (involving therefore extremely fast neutrons, i.e. relativistic particles that have only begun to be slowed down by the impact onto the superior layers of the Earth's crust). Supercriticalities are triggered by the intense pressure of rocks. Each supercriticality causes a “tornillo” and the light part of the molten down rock percolate in the direction of the surface of the Earth, leading to magmatic chamber formation. This percolation depressurizes temporarily the underground, slowing down the nuclear reactor until a new supercriticality is triggered by 1. spontaneous fission or, exceptionally, a nova / supernova where obviously supernovas are the main factor for the most violent cases 2. more pressure from the plaques 3. or an addition of water (and carbon from the organic debris on the plaques) from subduction, 4. or heat (which accelerates the movement of atoms and increases cross section as neutrons are more likely to meet an atom throughout their life (or much more likely several of the above). For the 1., along with spontaneous fission must be added as well reactions of neutron spallation such as α, n (and, less frequently, γ, n if an activation product of an anterior nuclear fission reaction has a gamma ray emission powerful enough to trigger a “photoneutron” - or, obviously, gamma rays from nuclear fissions, or photo-fission...). This is just a natural nuclear reactor. For the continuation of the nuclear fission chain reaction, even the neutron spallation caused by a proton (from neutron decay, or ternary fission products) onto a heavy element like lead (much more frequent underground than the light elements needed for α, n and γ, n), and of course n, n and $n, 2n$ with the same heavy elements, can help.

Many low-scale volcanic events can be triggered without a significant nova (for instance the permanent activity of the Stromboli volcano), yet supernovas are easy to link to simultaneous

intense volcanic activity (high VEIs and supervolcanos) in geographic clusters (indicative of impact zone for supernova neutrons), as I show in part 3. These element can allow us to reconstitute not only a planetary motor for temporary increases of fission and fusion (where, underground, the intense pressure onto ternary fission products may allow for some nuclear fusion, explaining the accumulation of dihydrogen as well as other light elements close to the Earth's surface found for instance in the Kola peninsula noted by MacDonald in 1988, the findings of water as ice in diamonds coming from deep in the mantle by Tschauner et al 2018, or the fact that one of the main minerals containing lithium, lepidolite, contains as well several atoms of oxygen), but also of course for the permanent dual fission-fusion motor of stars, under a much higher pressure due to the initial mass, which I claim to be constituted solely by heavy atoms, i.e. actinides and, if there are islands of stability, atoms that could be much beyond the actinide class, maybe much more exotic atoms not yet produced in experimental research but that could certainly be confirmed one day, and thus more likely to fission due to their heavy mass (and thus obviously unlikely to remain if these atoms have all fissioned earlier in the Universe's history even though some should remain deep underground and in dwarf stars ; or, better said, in the history of our local area, visible to our instruments, as will be pinpointed at the end of the article). The fusion under intense pressure of ternary fission products, beta minus particles and neutrons produces lighter atoms such as oxygen, carbon, and can very clearly be a better explanation for most massive hydrocarbon deposits than the current model of carboniferous-era remains of vegetals and animals (it is simple to note the proximity of all major coal / oil / gas deposits and significant granitic areas / uranium mining areas – the Arabian Peninsula has a magmatic shield, the tar sands mining areas in Alberta, Utah, Wyoming, Colorado are not far from uranium mining areas, the situation is identical in Russia and Kazakhstan, the old coal resources of Eifel in Germany and St-Etienne in France are in plutonic soils, the hydrocarbons in the Northern Sea are close to the granitic areas of Scotland, same for Norway's hydrocarbons near Stavanger) and the hypothesis that carboniferous era remains of vegetals and animals are linked to hydrocarbons is in the view of the author wrong as a whole especially as other deposits e.g. delta deposits are simply explained through river charring of these hydrocarbons. It explains as well as the emergence of the first resources of water (confirming obviously the old theory of water originating from volcanoes).

2. On stars and planets

Type 1A supernovas are evidence : the passing of a big star close to a very small one mean that the small one will receive much more neutrons as well as hydrogen captured by gravity than it is accustomed to in its internal nuclear equilibrium ; thus it reacts extremely violently, and goes hypercritical. The bright light of Type 1A supernovas confirms that dwarf stars are mostly made of heavy actinides (and the more hypothetical heavy transactinides in case there is one or several islands of stability), but that these dwarf stars failed to light up (to stabilize at criticity) due to insufficient mass and thus did not accumulate the much needed hydrogen moderator and fusion fuel. The amount of unfissioned heavy actinides (and hypothetical transactinides) explains extremely well the powerful light of these supernovas which are highly dominated by fission whereas other supernovas are more equilibrated between fission and fusion (as the internal core

made out of actinides / transactinides collides with the outer sphere at detonation, compressing it and fusing it). Pluto is absolutely certainly such a sub-brown dwarf star that has been captured by the Sun (as it is in an orbit that is not parallel to the rest of the Solar System) and which underwent temporary criticality at some point in its life before cooling down, the lightest elements produced through fusion processes, i.e. carbon, hydrogen, ending up at the surface, forming methane ice.

The discovery by Head et al 2011 of an intense volcanism on Mercury also confirms the heavy interaction between solid heavy atoms planetary cores and neutrons from the permanent fission processes in stars. Mars, where iron oxide is significant, can be opposed to Venus, with a lot of basalt and volcanoes (where the planet seems an immense volcano bubble), and thus Mercury was even more active but has “expired” because of too much neutron fallouts from the Sun burning fast its actinides (and, potentially, transactinides in case there is/are island(s) of stability but the author hypothesizes that such super heavy atoms with a long half life would also have a very elevated cross section for fission ; in fact it seems likely that they would act as “trigger” for the flaring up of stars³⁹).

It is obvious that gas bubbles would not alone survive close to a black hole. A much heavier star core, made with actinides and transuranics beyond the actinide class, would however resist the permanent attraction of the black hole. The recent discovery of proto stars close to a black hole is an excellent confirmation that stars are not made with light elements but with heavy, radioactive actinides and transuranics beyond the actinide class, compressed up to a permanent fission reactor thanks to the strength of gravity, where complex nuclear reactions create the hydrogen fuel (tritium for instance is an unfrequent fission product from ternary fission) for the parallel nuclear fusion process and the thermalisation of neutrons, whereas gravity also increases pressure and thus reduces critical mass.

Neutrons from fission will themselves decay over a certain time into protons, with a beta minus decay, they are the basic bricks of hydrogen. Ternary fission sometimes produces protons. All of these protons can combine with beta particles from fission products to produce hydrogen. Positrons from the capture of helium-4 nuclei of actinide & transuranic decay and ternary fission products (where lighter elements capturing an alpha particle decay by emitting a positron) are another element as they conjoin with neutrons and beta particles of fission products to create hydrogen. Fission products beta particle decay is crucial and demonstrates here its “usefulness” in the global star cycle. Tritium from ternary fission also is a source for helium-3 which then produces protons through neutron impacts. Fission products and their transmutation are a key in production of other elements together with nuclear fusion of for instance helium-4 from ternary fission products (in combination with the electrons of fission products beta decay). Hence ternary fission is key in providing the usual nuclear fusion cycle with its fuel. I claim that light elements in stars are solely the product of nuclear fission, ternary fission products and radioactive decay, through combinations of the elementary particles in a context of high gravity forces and temperature, and of course slow capture of neutrons, which also contributes obviously to the diversity of heavy elements beyond the

39 One scenario is that these extremely heavy atoms, staying close to the core of the star, would need extremely fast neutrons to have a good cross section yet for these extremely fast neutrons (close to c), their cross sections would be much higher than for lighter atoms – the random triggering of these « super atoms » by relativistic neutrons would trigger, in a worst-case scenario, a (super)nova. It may even be possible that very few of these super heavy atoms could be still found inside the mantle of Earth and that they have a special contribution to explosive volcanism, for the most powerful super-eruptions – La Garita caldera for instance).

iron limit of the Aston curve, from neutron activation of fission products combined with radioactive decay.

Neutron stars are also an excellent way to see the expulsion of all fission product matter outwards in violent hypercriticality events where only neutrons remain at the end, agglomerated and compressed by their own gravity forces.

A thermonuclear reactor at equilibrium is obvious (where the progressive loss of heat & mass leads to decompression and the slowing down of fission and fusion), where interactions with nearby supernovas are a major and essential factor in star divergence onto supernova through intakes of neutrons and other elements (hydrogen and helium for instance) disrupting the internal equilibrium, and “waves of supernovas” from one star to another. These neutrons are major constituents of the masses of accelerated matter that explain gravitational waves (which is also confirmed by the recent confirmation of gravitational waves in association with the collision of neutron stars, likely to expel a lot of neutrons at impact & implosion under themselves). In the collision of black holes as well it is not surprising to see them eject very small particles and not heavy atoms.

3. Supernovas and volcanism

It also appears that supernovas close to Earth like the one giving birth to Barnard's Loop are linked to supervolcanoes, in this case the Huckleberry Ridge Tuff and Cerro Galan supervolcanos. Neutrons from the Lagoon Nebula may also be linked. It may be possible to envision a better datation by linking Lagoon Nebula initial blast to Barnard's, which could have happened closer to each other than thought until now, and a method for predicting supervolcanoes from supernovas. The high temperature of stars around SN1987A even more suggests that the dramatic event provided neutrons to the fission core of these stars. The sudden relapse of gravity when a star explodes could act as a propulsive power for its own fission and fusion neutrons, which may gain speed up to close to the speed of light. All the VEI 6 volcanic eruptions in the 20th Century can be linked to supernovas which happened close to Earth in recent times : G1.9+0.3 happened approximatively in 1898 according to recent research and this event can be linked to the Santa Maria (VEI 6) and Montagne Pelée (VEI 4) eruptions of 1902 as well as the beginning of the activity of Novarupta (1912, VEI 6 – Hammer et al 2002 suggest that the build up to that eruption could have been slow) and of the Cerro Azul (1903, which led to a VEI 6 eruption in 1932 after a succession of volcanic events). SN 1987A may be linked to the Pinatubo eruption of 1991 (VEI 6), Hudson in Chile (1991, VEI 5+) as well as Rabaul (1990 - 1995) and Unzen volcanos (1991). For the Samalas supervolcano in 1257 (see Lavigne et al 2013 as well as Oppenheimer 2003), SN1006 could be the ideal explanation (in which the magma would have accumulated during a longer period than usual, leading to a bigger eruption than in the VEI 6 cases discussed above). SN1054 and SN1181, after SN1006, may also have contributed if the Indonesian archipelago was on their side at impact. SN 1604 may be linked to a lengthy accumulation of magma leading to the Mount Tambora supereruption (with the possible supplementary contribution of Cas A), and can even be linked locally to events such as the small volcanic eruptions that actually took place in the granitic –

uraniferous-rich Mercantour massif in the French Alps, recorded in 1612 after the disappearance of an entire village (St Jacques) into a crater of “flames” (a plaque still commemorates the event near Valdeblore with the inscription “Hic omnes disparuerunt requiesant in pace – 1612”) and another lava flow recorded at the same time (in the nearby Cians under the Raton mountain near the Dôme du Barrot) – see Rossi (2017), local historian pointing to this eruption in what is obviously a remain of the Alpine Arc volcanic chain close to the Mediterranean and thus still likely to be water-rich in the underground. SN1604 also coincides with highly destructive eruptions in the Mediterranean area (Vesuvius 1631, Kolumbo (Santorini area) 1650 and Etna 1669). It actually makes sense that light may be refracted and slowed down for instance in the Milky Way because of clouds of refractive materials with no similar effect on fast neutrons so that neutrons come *earlier*, hence linking Type 1a SN1006 with the Mount Baekdu supervolcano in the end of the 10th century (sometimes dated in 946 but with some uncertainty), where the magnitude of a Type 1A supernova explains the magnitude and quickness of development of the event. It is extremely critical to see that the 993-994 14C boost (confirming neutron impact) matches perfectly the timeline of that event. Another more powerful 14C boost in 774 – 775 corresponds with a stellar event noted by Chinese astronomers as “comet crash” or “thunderstorm” according to Chai & Zou 2015 but which ought obviously to be another more powerful supernova leading to more powerful super eruptions. Of course as always it is a precise side of the planet that is blown and thus a cluster of eruptions in a localized area, e.g. one continent, ensue. Spontaneous fission of actinides underground and smaller novae explain less powerful eruptions.

4. Nuclear safety revisited

All the events discussed here have in common that the supercriticality happens in reactors with null or positive void coefficient. Water-moderated reactors are more resistant due to the vaporization of water in case of an increase in the fission rate. The October 1969 accident at St Laurent des Eaux (gas cooled reactor with null void coefficient) was followed by two eruptions in the Northern Atlantic (Hekla in May 1970, Jan Mayen in September 1970). Cosmos 954, a satellite carrying a uranium reactor, exploding above Canada is another example. Its destruction in January 1978 was followed by the eruptions of the Soufrière Hills in 1979 and of the St Helens in 1980. The St Laurent des Eaux (gas cooled reactor with null void coefficient, relatively unstable) 1980 accident was also followed by an eruption of the Hekla in September 1980. Followed another powerful eruption in El Chichon in 1982. The K431 nuclear attack submarine was, according to reports, surfacing and in refueling near Vladivostok at the moment of the blast, and hence unshielded from fast neutrons by layers of water. A bad manipulation in refueling would have officially triggered the supercriticality, nevertheless a simple melting down of the core could have been expected, yet the supercriticality was explosive. Its explosion matches the beginning of volcanic activity in the Nevado del Ruiz (September 1985) and more eruptions in Alaska and Kamtchatka in the following years (Mount Augustine and Chikurachki 1986, Kliuchevskoi 1987, Mount Redoubt 1989-1990) ; it is obvious that as in the earlier cases a wave of relativistic neutrons obviously came on August 10 and destroyed the K431 reactor. The K431 was a fast neutron reactor (with lead bismuth coolant), which together with its surfacing explains the isolated nature of the event in relation to a very small event.

For the K431 and the wave of eruptions in Alaska and Kamtchatka neutrons from SN1987A coming before the light of the supernova (due to refractive material slowing photons) are the possible cause esp. as the cluster of volcanic eruptions is stronger – together with the eruptions of the Kelud, Pinatubo and Hudson in 1991 – the more powerful eruptions taking more time to develop in a relative silence, underground except in particular cases such as the immediate presence of water in phreato-magmatic eruptions (Krakatoa 1883 for instance) improving immediately moderation of the neutrons.

5. Giant dipole resonance fission

The cross section for fission at very elevated neutron speeds of all actinides including ^{238}U , ^{232}Th are rising due to second-chance fission, i.e. (n, 2nf), third-chance fission, etc. and giant dipole resonance. Tarrio et al (2011) allow to suggest that even lead, bismuth will fission at high neutrons speeds and there are certainly more stable heavy atoms that can fission with even faster neutrons. The author has observed such a phenomenon in lead paint as he felt a neutron strike in his body on Sept 24, 2018, in the first hours after midnight French time, and saw, *minutes* after that, while looking (in a dark room) at the area painted with that lead paint, the emergence of a few small bubbles of *green* light that quasi immediately disappeared while propelling smaller white sparks that all ricocheted around in a circle, with more or less the same angular momentum for all sparks, making the author claim it is a clear sight of lead fission with the Compton effect following. The green light can be explained with a change in the dominant wavelength of the photons produced because the high oscillation of the fission products blocks all light (produced in the scission area, in between the two fission products) that is *outside the center of the visible spectrum*. The traditional image of the “black sun” obviously is an historical representation of a phenomenon that is not so unfrequent in nature for people living in caverns where lead and other heavy non radioactive⁴⁰ metals are present (in the Scandinavian Alps)⁴¹. The giant dipole resonance causing fission in lead obviously is a phenomenon with a long metastable state (minutes of tunneling) before destabilization and fission. It is what has been observed on September 24 2018 by the author. This phenomenon can also be confirmed by looking at e.g. yttriaite crystals in tungsten (Mills et al 2011) that indicate fission with relativistic neutrons and the perfect slicing of tungsten producing Y_2O_3 crystals, and by looking at craters in other native heavy metals (iridium, gold, platinum etc present such small “holes”).

It is anyway obvious that the impact of a significant neutron wave will result in the destruction of all working nuclear reactors in a wide area. The last powerful supernova dates back the 17th century. Nuclear reactors can be expected to be destroyed by the impact, not simply molten down, and the catastrophe should happen simultaneously in reactors on a wide area, e.g. continent-wide.

Such waves cannot be predicted. Clouds of dark matter may make it for instance impossible to see dwarf stars that are in the path of giant red stars, and Type 1A are the most neutron-rich supernovas.

⁴⁰ They obviously are radioactive but with half lives longer than ^{209}Bi , above 10^{20} years

⁴¹ In popular culture, the *pokemon* Spiritomb also closely idealizes such a rotating effect with a green bubble in the center and the designers explain that « this Pokemon appears in fissures of caverns », it typically is another representation of that giant dipole resonance fission of lead

It is impossible to shield completely nuclear reactors but building very large pools of water above and on top of current nuclear plants could be a partial remedy, yet the structure must be solid enough to avoid any chance of an explosion bringing flows of water on a molten nuclear core. It is a good for a bad. The alternative would be to use dihydrogen tanks all around confinement areas, with the obvious fire risk and the clear target it represents for terrorism, yet that light gas ought not to enter in contact with the core in case the confinement is broken by a blast and the moderating effect on neutrons would be much more limited. In future times all new nuclear plants should be built deep underground and all employees should control the plant from a significant distance, allowing that any explosion of the plant be solely an underground earthquake without any human casualty (and the author of the paper campaigns for the generalization of subcritical designs, cooled with helium, using ^{238}U and its decay products, i.e. mine tailings, for instance ^{234}U). The costs for building underground plants will be significant, reducing the competitiveness of nuclear energy. States using nuclear energy for e.g. aircraft carriers should look for alternatives, and the same comment applies for space missions with onboard nuclear reactors. The massive spreading of such underground nuclear reactors would still represent a danger in case an extremely powerful supernova was to happen very close to us, even though this is much less significant and solely economic if the plants are fully robotized. The use of subcritical technology in combination with its burying deep underground (one kilometer at least) would allow for an extremely good level of safety.

6. Black holes, their eruptions, the cradle of stars and planets, and the explanation for volcano hot spots

The “bursts” leading to the formation of stars in “waves” (Beccari et al 2017) can be easily explained by waves of what I call *black hole eruptions*. Black holes are the obvious place for the formation of heavy atoms in high volume. It is the sole place where it can be expected that forces are concentrated enough to conflate particles into i.e. uranium and even heavier atoms. The accumulation of energy in black holes cannot and never will be infinite even though it is on human time scales. Planck’s temperature leads to this conclusion and the jets of plasma flowing out of black holes are already very well known. Findings of proto-stars close to black holes, as noted in the beginning of this article, and of formation of stars in “bursts” in a nebula known for its black hole (where another black hole is very likely to be expected right at the center of the “three cities” of stars), leads to these black hole eruptions, i.e. the rapid propulsion of fresh “blocks” of very heavy atoms (which can be suggested to be far away from the known end of the periodic table of elements, even with all experimentally known exotic atoms included ; many of these heavy atoms can be expected to have super high cross sections for fission and would certainly contribute very much to the flaring up of whole proto stars (i.e. the beginning of life of stars) if they are part of islands of stability). Black holes are in a metastable state because of the huge amounts of energy captured by atoms very far at the end of the Aston curve. It is very easy to suggest that the so-called Big Bang was solely a massive burst from a super giant black hole that could still be at the center of the known universe, that the cycle of atoms in space has no beginning and end and that space is infinite (which is an hypothesis of common sense and can simply be explained by black matter in

the path making it impossible to see too far ; for instance, if the supermassive black hole was in a giant nebula, the energy of the eruption could have pushed away that cloud which would thus be the main barrier for light from outer systems of stars and black holes).

Micro black holes also sit *inside* stars and all planets and explain the volcanic hot spot dynamics as black hole eruptions of lesser power (these tiny black holes inject “bubbles” of heavy atoms into the inner core) here explain the occurrence of flood volcanism through the very rapid rejection of matter that accumulated and fused over millions of years inside these black holes, again as actinides and possible transactinides prompting a quick chain reaction from the very core of the Earth and producing the heavy amounts of magma leading to flood basalt provinces.

For stars, the hypothesis of a black hole at the center provides the ideal explanation for the black hole that is found after very powerful supernovas. This black hole is not produced by the supernova. The very high yield simply means that all atoms fission and that neutrons as well are expelled. The black hole was already inside before. There is in fact no process explaining rationally the formation of a black hole. Black holes are part of space, they agglomerate matter (inside, and when too much elements are attracted onto a too small black hole, the matter coagulates around as in a very strong bottleneck leading to the formation of a proto star). In a supernova of a lesser yield (or with higher magnitude of light as there is a lot of energy from fission but few light atoms to fusion, in a young instable star, leading to a lesser explosive power) the power is not enough to expel many neutrons that will form such a bottleneck, i.e. neutron star. The progressive attraction of atoms from the inner core of the object in the black hole leads to the periodic bubbling of heavy atoms. It is a periodic process. There is, on Earth, a minimal threshold before the beginning of a new hot spot. In stars where much more elements are agitated continuously and the rhythm of exchanges between the bottleneck and the black hole is obviously of rates of vast magnitudes above what happens in planets, the rhythm of eruptions will also be higher, which can be confirmed through the known phenomenon of eruptive variable stars.

As it is obvious that telluric stars simply are very small proto stars which have not received enough neutrons to become critical, it is also obvious they simply have a black hole of smaller size in their core and the hot spot processes on Earth and on Mars are an excellent proof for the eruption of these black holes. Simply, the bottleneck will not be fully stable, the inner core is slowly sucked in the black hole and when enough matter has been captured for the black hole to go out of its metastable state, an eruption happens bringing newly formed heavy atoms into the bottleneck, increasing pressure, producing of course strong nuclear fission supercriticalities and bringing that matter up to the less dense areas, as the beginning of a hot spot. Indium is a very rare element on Earth that is found mostly in granitic areas ; this is another proof since granite is linked to hot spot volcanism that cannot involve big amounts of water (at extreme depths) and indium is not produced in high amounts when the neutrons are thermalized. Indium is very frequently found together with tin in granite and tin is also a very unfrequent stable daughter of fission products unless the neutrons are not thermalized. It demonstrates that nuclear fission happens, in hot spots, at very high depths close to the “bottleneck area” under the sole high pressure of bubbles of heavy atoms coming unfrequently from the nano black hole in the center of Earth. “Ice volcanoes” on Pluto are certainly powered as well by the inner black hole of the sub-brown dwarf star, as the pressure produced by bubbles of heavy atoms from the black hole clearly produces small chain reactions and concurrent

fusion processes, the produces of which are the lightest part of the magma – hence coming out more easily.

The presence of a “giant ocean” or its remnants in telluric planets (Oceanus Procellarum, the biggest plane on the Moon, the Pacific Ocean for the Earth, the Northern Lowlands for Mars, and the very big sea of ice methane on Pluto are excellent examples) is another excellent demonstration of the existence of a black hole in the center of these planetary objects. When the *outer* parts of the inside of the black hole are expelled by the eruption of energy accumulated from the supercriticality in the inner core of the black hole, they escape with the form of portions of a hollow sphere (as with the small incurved portions of an egg broken from the inside by an emerging chick – one can think of parabolic antennas) the portions all have a small extract of the black hole retained with them in the inside – so a very brutal and extremely rapid (maybe too fast for the eye) *wrapping event* happens :

1. All the atoms liberated from the black hole expand to take their full space, allowing void to occupy ~99% of the volume
2. So a “slingshot effect” around the small black hole inside the cavity means that the exterior areas of the piece collide together and a vast number of fissions and fusions happen. It is clearly the event that will light up the star if powerful enough.

In telluric planets, the “giant ocean” is the remain of that fission & fusion event, it is always circular before continental drift changes too much its shape as on Mercury and Venus where the more acute neutron flux from the Sun accelerated magmatism, as noted earlier. We can expect the exact same phenomenon on each planet containing a black hole in its core.

Another proof is, for some small satellites, the ridge that is very easy to see, on Iapetus for instance in the middle of the giant “sea”. It proves definitively the “closure event” which is particularly obvious with the “walnut shape” of Iapetus. These are minor pieces with either a very tiny black hole inside (so far no volcanism is known on Iapetus but the number of craters suggests there could be some minor volcanism) or (hypothesis most likely for even smaller objects like Pandora, Pan, Prometheus, Atlas which have even more the shape of a “flying saucer” and no apparent crater) none at all. So the black hole from which the small piece was expelled hinders the wrapping event and the extremities (the “flaps”) of the piece (shard) propelled out of the black hole are not perfectly brought together, there is a ridge that remains because of the exterior attraction forces and lack of inward attraction forces (a too small black hole inside means that centrifuge forces are dominating over centripete forces) : the flaps do not swing back around the center perfectly and the pressure at impact is more limited, explaining the ridge remaining on these objects.

Gas giants can be simply seen as star cores which have underwent criticality but were not massive enough to stay critical. They must come from shards bigger than those leading to telluric planets, but smaller than those of actual stars. The heavy atoms subsided, gases from ternary fission products and their interaction with other particles and neutrons such as hydrogen and helium are at the periphery.

It is simple to suggest that the relatively powerful closure event led to the satellisation of some of the matter fused at the closure point, a simple way to explain the formation of rings around such

giant gaseous planets. For the Sun, a much more powerful closure event obviously created Kuiper's Belt and explains why chondrites are iron-rich.

The ridge on Iapetus is covered by light hydrocarbons (Cruikshank et al 2008) and Saturn's rings are composed mostly of ice water and amorphous carbon (Poulet and Cuzzi 2002) whereas chondrites are mostly made of silicates and other elements up to iron and nickel, confirming extremely clearly the more important intensity of the fusion event for a more massive shard leading to a fully critical star satellising lots of fused matter at the moment of the impact of the closure of the shard. Yet the fusion happened outside of a black hole and could not overcome the limit set by the high stability of the iron atom, unlike the processes in black holes described in this paper.

The so called metastable state in black holes can be expected to end through slow chain reactions starting in the very core of the hole ; it can be expected to happen solely with heavy atoms that have a good cross section for *almost absolutely inert neutrons* – so this explains the natural rarity of ^{235}U as opposed to ^{238}U , for instance. ^{235}U , ^{239}Pu etc. can be expected to be produced in vast amounts in black holes ; there is no reason why the random processes of nucleosynthesis in black holes would give birth to so much ^{238}U and so few ^{235}U ; yet if some neutron manages to become a free radical in the compressed “magma” of atoms of the central part of the black hole, that neutron can be expected to travel *extremely slowly* and subsequent fission neutrons will also be slowed down almost infinitely by the extremely intense pressure so this presents a simple basic explanation of the $^{235}\text{U}/^{238}\text{U}$ ratio found usually on Earth in spite of the constant regeneration of actinides by the black hole at the center of Earth and subsequent hot spot geodynamism.

7. Gravity forces and the graviton / antigraviton couple

It is, lastly, obvious that gravity is only dependent on the presence of a black hole inside stars and planets, i.e. that gravity is a black-hole dependent phenomenon. This is the simple epistemological conclusion of the research, easily demonstrated with the absence of gravity on comets and asteroids. It is also inviting for what concerns research on a possible graviton ; the simplest hypothesis in the view of the author is to envision the graviton as a particle present together with all atoms in matter outside black holes and attracted by antigravitons produced exclusively in black holes during the abovementioned nucleosynthesis of heavy atoms, and partially expelled, by supercriticalities, inside the smaller black holes of the shards ; strong attraction *inbetween antigravitons* in addition to the mutual attraction of gravitons and antigravitons (whereas of course there is no attraction between gravitons) is also a simple explanation for the consistency and permanence of black holes and for the tendency of black holes to collide ; it can here be expected that antigravitons turn into gravitons when expelled out of a black hole in the shards thanks to the release of pressure (high intensities of pressure together with heat can be seen crucially as the condition for a graviton to be turned into an antigraviton, which is simply another way of stating that strong attraction inbetween antigravitons is key in the consistency and permanence of black holes). At the expulsion, the antigravitons that are most separated from the cluster are set free from the minimum level of pressure required for them to be attracted by each other, and become gravitons. The pressure forms quasi-unbreakable links between gravitons as they become antigravitons. In shards, the presence of many atoms close to the

antigraviton cluster is enough to keep fueling the antigraviton production process and to ensure a good binding of the outer layers of matter (the “slingshot effect”) around it (it is obvious that a lot of the matter that erupts from the main black hole and whose antigravitons turn into gravitons is immediately sucked back into the smaller black hole of the shard).

This, together with black hole eruptions for instance, can be even confirmed through historical events reported in the New Testament through a romanticized approach : the “crown of stars in the sky” - which simply is the obvious crown of the Pleiads, which can be seen gravitating around a spinning black hole, the product of a recent black hole eruption. Flying matter from that eruption obviously led stars closer to us, in the path, to increase activity : these stars are found in the Taurus and form more or less the shape of a human body. It is obvious that this was watched by many and led to apocalyptical descriptions in religious texts. The more traditional representations of the Virgin Mary show her with a crown of stars that is not circular but ovoid, her head (A¹-Tau) bowing down “in prayers” to collate with the “aureola” (Ain is a shoulder, O²-Ori a foot, v-Tau the other foot, Aldebaran the pelvis and the stars forming a triangle (Ain included) the body, λ-Tau a hand, τ-Tau the other hand). It describes the stars around the spinning black hole in a way closer to reality.

In a black hole eruption the pieces of matter ejected can be much smaller than satellites. The form of Ultima Thule simply shows an atom in the process of fission that was ejected before the end of the scission. It is a direct confirmation of the production of extremely heavy atoms in a black hole – it is obvious that as the atom is “extracted” the particles dissolve and form lighter atoms, but the still strong closeness will mean that the first stable setups for these particles will be extremely heavy transuranics. The asymmetry of Ultima Thule confirms fission with very slow neutrons (one side of Ultima Thule is smaller than the other) in black hole eruptions, exactly as predicted in the model. Such atoms can be ejected very fast and will tend to conserve some antigravitons in a small cluster self-regenerating thanks to a “supercavitating effect” - as the piece flies extremely fast some atoms are pushed into the antigraviton cluster, and as they fuse in it they produce some antigravitons which replace the antigravitons lost as the contact of the matter of the object. This explains why fireballs (bolides), unlike meteors made of rocks, have a systematic tendency to aim at particular areas with a high density of matter : castles, geothermal areas with a dense magma pocket active below, dense industrial areas for instance (the area of Krasnoyarsk presents both a geothermal pocket and heavy industries, it attracted the object of the Tunguska event that confirms the huge content of heavy actinids of fireballs with a megatonic nuclear explosion⁴², and the 2013 Cheliabinsk event is another example, the flash in the sky confirming as well fission, this time before contact with the soil, because of solar neutrons as it happened during daytime). The typical scission of fireballs at the end of their path (observed on the ground) can be related to the shape of Ultima Thule and to the idea that the supercavitating fireballs are atoms that were interrupted in their fission by the strength of the black hole eruption, keeping this atypical bi-hemispheric shape. It is simple to predict that these fireballs are constituted of extremely heavy actinids with a high cross section for fission and long half-life : in the line of known exotic atoms curium-247 fits the pattern but heavier atoms, unknown of the researchers on exotic atoms, might be also certainly a very strong option. The combination of the two points : scission at the end under the corroding forces of

⁴² In this case alpha radiation against light atoms from the ground obviously was the trigger at impact for the supercriticality from compression of the bolide.

the atmosphere, and the actinide content, leads to a simple rational explanation for the destruction of the twin cities of Sodom and Gomorrah in the Ancient Testament.

Conclusion

There is no way gravitational waves could be predicted, in the future, with full certainty. Computation may lead to successful experiments yet it is impossible to claim we will have models good enough to ensure 100% confidence in the fact nuclear power plants could be shut down at the exact periods where neutron impacts have to happen. There will be always a risk, especially because of black matter and the limits it imposes on space imagery and monitoring. The option quickly drafted in this paper (deeply buried underground subcritical designs) is much safer for future times to come and would allow still to use depleted uranium, transuranics and uranium mine tailings as energy source so as to eliminate the need for uranium mining and for the long term underground stockpiling of waste in closed repositories – already existing tunnels could even be recycled for the installation of such subcritical designs deep underground (the Onkalo tunnel could be one simple example of a reliable place for a test) with a large amount of biomass on top of the tunnel to complete the anti neutron bunker (even though such a place of course becomes more of a target for fireballs as a reactor is built underground). Helium is a safe coolant and perfect for transmutation even though some limited underground explosions destroying the core are still possible (the leak would be highly limited). Laying nuclear mines in space to target bolides would not have a real impact because only very limited criticities can be reached until the entire matter of the bolide is burning in the atmosphere – land-based missiles identical to the Sprint and Gazelle, with a nuclear warhead, would however target efficiently these bolides by triggering their explosion in the atmosphere. But the real long-term solution is to be found in the decentralization of human activities.

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Madison's Promise : Why the spirit of the original US Constitution and its Bill of Rights is intrinsically anarcho-capitalist

The US Constitution is today a very ambiguous text. The Second Amendment constitutes the most surprising (for foreigners) and certainly most important adjuvant to the original Constitution. While it certainly constitutes a guarantee of freedom additional to the First Amendment, it was clearly promoted by Madison in an hypocritical attempt at gaining the support of states, and not with actual care for freedom and protection against federal tyranny. Nevertheless the spirit of its adoption (starting from Madison's promise to the electors of Virginia that allowed him to defeat James Monroe) commits to a single interpretation which is that it precludes any government intervention in markets and thus involves the sole spontaneous order (and a voluntarily-only funded government, a charity with no power to regulate, draft, declare war, engage the responsibility of the people « under » it or give any orders – a simple think-tank). Even though Madison's hypocrisy is palatable, additional propaganda (esp. his famous 1795 article on « war, taxes and debt ») confirms that the anarcho-capitalist interpretation of the Second Amendment is the right one. This article then discusses how the spontaneous order caters very simply to security, defense, justice and money.

The Second Amendment is easy to read. The author would like to point how the progresses of technology have allowed what was not possible to envision 230 years ago – especially the rapid communications through Internet, algorithms, and tactical & strategical nuclear weapons. The Second Amendment's intrinsically anarcho-capitalist content could not give birth to a really sustainable model, outside of the more typical ideas of « systematic decentralization » and extremely limited government ; but now the game has been transformed radically.

James Madison cannot be defined as a true liberal. Serving in the Congress, he supported granting it the right to set tariffs on foreign imports to raise revenues for the war together with Washington and Hamilton. His Federalist Paper no 10 legitimated centralization of government with the well-known hypocritical idea that despotism would tend to prosper in little communities (and not in a big empire, as history of the world already had shown many times in the Old Continent). Madison opportunistically proposed the Bill of Rights as he faced a close race against James Monroe for a seat in the US House of Representatives, in the state of Virginia, as a guarantee against a text which he himself had fathered earlier. The Bill of Rights was solely an electoral promise, yet it gained the genuine support of enough constituents to get Madison elected against Monroe and eventually became part of the US Constitution. Confronting Federalist Paper no 46 to the absence of any Bill of Rights in the original Constitution and observing how Madison's promise of a Bill of Rights came in the context of a closely tied electoral race suffices to conclude on James Madison's hypocrisy regarding limitations to central government. Nevertheless it is obvious that the Bill of Rights should be read, today, with the eyes of those in Virginia that decided to support Madison against Monroe because of his promise.

The text of the Second Amendment, in particular, should not leave any debate open. « Shall not be infringed » is a categorical affirmation that excludes any form of reduction of power to possess and bear weapons. Taxation, tariffs, intervention of governments on markets, forced incorporation of citizens in armies, limits on the free movement of citizens and of their products, *all forms of interventions with what Ludwig von Mises calls the ever-spinning economy* in fact infringe on the citizens' ability to own the best weapons to defend freedom. The word of the Second Amendment is anarcho-capitalist and many of Madison's arguments can be seen to have suggested to the general

public this interpretation, in his hypocritical campaigning typical of any politician nowadays. The Federalist Papers are a typical political tract full of promises that many were certainly tempted to believe. The Federalist Paper no 46, which also discusses militias, starts with the claim that « *[adversaries of the Constitution] must be told that the ultimate authority, wherever the derivative may be found, resides in the people alone...* » and goes on to explain that militias would naturally organize against a standing army threatening freedom. The idea that is presented here by Madison (and also promoted among others by Tench Coxe) to the gullible resembles overtly the idea of spontaneous order ; the impulse to form a militia comes together with the impulse to trade to acquire wealthes to support that militia, and the wording of the Second Amendment could certainly have brought in many spirits the idea that, at least (in a truly limited and still insufficient reading), the Constitution, with the Second Amendment included, would for instance prohibit Congress from raising taxes for war and for the funding of a permanent standing army.

In looking at international relations today, it should be obvious that the only efficient form of guarantee for freedom and security is, realistically, tactical and strategical nuclear weapons (Joseph Newhard (2017) argues the same way). Ballistic nuclear missiles form the main bulk of the sovereignty of all States and there is no reason to pretend that they would not be covered by an amendment drafted in the purpose of preserving freedom. It is obvious how nuclear defense has guaranteed security to small States against much more numerous opponents (Israel is a simple example – see also Joseph Newhard (2018) for another argumentation on Israel's nuclear deterrence and anarcho-capitalism) and how even the worse dictatorships (think of North Korea today *for instance*) can bring the US government to a stance of negociation thanks to their limited nuclear arsenal. Nuclear weapons are relatively easy to make, they can be fitted into small cases easy to carry and hide, their destructive power has no equal, and it should be underlined how a limited amount of warheads is enough to deter even a rival with many more missiles. Nuclear defense, in fact, has ensured the absence of world conflicts since 1945.

That private entities would 1. have an interest in developing nuclear weapons 2. manage them with care 3. organize spending much more efficiently should make no doubt... Private citizens or associations of citizens, or companies would be certainly interested – it is obviously a very powerful advertisement for your own product line to also offer for free to all citizens of a wide area where your manufactures are, the nuclear umbrella. However no company has an interest in spending anarchically and with no care for efficiency. It should be obvious as well how no private company has an interest in offensive behaviour which would immediately lead to its own destruction under legitimate actions of preventive strikes by other owners of nuclear weapons. The general efficiency of privatization extends to nuclear defense and private owners are obviously much better suited to manage it. A few nuclear warheads are enough to ensure the security of any country – maximizing power by multiplying layers (two fission stages instead of one around a fusion stage with more depleted uranium around, for instance, as in the original Tsar Bomba design that was to reach 100 megatons – it is even possible to produce much more powerful designs with more stages) allows to turn a single warhead into an extremely strong deterrence for enemy powers. Drone designs, satellite-based warheads, hypervelocity with statoreactors, for instance, allow to increase uncertainty without having to increase dramatically the number of warheads – it is enough to have threats hidden everywhere and radars and computation to identify incoming threats and trigger, perhaps autonomously as in the so-called « Dead Hand », a counter-strike. It is obvious that a big part of the spending of the Cold War was mostly linked to overbilling and retroceding in politicians'

private accounts⁴³ and that nuclear deterrence has never been designed on the basis of cost-efficient solutions.

That all forms of government intervention in the economy limit the citizens' ability to own the best ballistic missiles and submarines to carry them (etc) should make no doubt in all minds ; it is a simple consequence of the most basic rule of economics – Say's Law. Only non-Popperian theories (Keynes', for instance) come against. The idea of spontaneous organization is widely implied by all those who promoted the Second Amendment in the early days of the United States – in Federalist paper no 46, Madison repeats the idea that the threat to governments is « *the people in arms* », in which resides « *the ultimate authority* », and that those conducting these militias (states' governments) would need to possess their « *affection and confidence* » ; his correspondent and ally Tench Coxe affirmed it as well, asking rhetorically in a widely reprinted article « *Who are the militia? Are they not ourselves?* » ; Jefferson also repeated his attachment to that duty of the people to self-defend – for instance in his November 1787 letter to William S. Smith (« *What country before ever existed a century and half without a rebellion? And what country can preserve its liberties if their rulers are not warned from time to time that their people preserve the spirit of resistance? Let them take arms* »). Most famously, Madison himself tied the knot between the issues of standing armies, taxes and debt in his April 20, 1795 article (« *Of all the enemies to public liberty war is, perhaps, the most to be dreaded, because it comprises and develops the germ of every other. War is the parent of armies; from these proceed debts and taxes; and armies, and debts, and taxes are the known instruments for bringing the many under the domination of the few* »). This piece, in a pamphlet published in Philadelphia, was certainly highly political and hypocritical from a man who supported a Constitution allowing Congress to tax people and to declare war (and who will eventually as President start a war in 1812), to blame taxes and war for the domination and oppression of the people, but this confirms again how the Second Amendment can be legitimately read as a true prohibition of all government interference in the economy and of all other constraints on the freedom of the citizenry.

The spontaneous organisation also makes no doubt from another point of view. The « well regulated » militia cannot be a forceful, highly motivated team of warriors if regulations infringe on the freedom of the citizens. Economics demonstrate how freedom of the individual is the best environment for production, especially for something that demands personal creativity such as organizing the defense of a territory. It is akin to any entrepreneurial activity – in fact most businesses involve the equivalent of a war plan to engage on a market, draw support of shareholders, find customers and convince them – the military activities are naturally no wonder to trained businessmen and businesswomen and many use to see years of military service as a training for later entrepreneurship. The best regulation is the natural order of self-government. Autonomy of the individual always makes it more productive. It is obvious how many citizens would come to the companies that offered a nuclear umbrella to a given area, ask questions, and how transparency would be natural in the networks of nuclear defense (even as concerns the radars and satellites accompanying it, and especially on a « Dead Hand » system). Any foreigner using these informations to e.g. attack the satellites would de facto commit an assault legitimizing, certainly, a very strong and overwhelming retaliation...

As regards the issue of borders, as well, the issue should be a non-debate – and the basic idea of a popular militia coincides with anarcho-capitalism as social networks and right of any citizen to boycott and discriminate in all its contractual activities suffices to define a new dynamic of self

43 For the period after the Cold War this process is directly evidenced by research of Mark Skidmore and his team showing \$21 trillion in unauthorized spending by the Pentagon as well as the department of Housing and Urban Development over 1998 to 2015 – see <https://msutoday.msu.edu/news/2017/msu-scholars-find-21-trillion-in-unauthorized-government-spending-defense-department-to-conduct/> - the authors do not conclude on the retroceding process but it should be obvious as those yielding power to tax cannot be expected to spur money without very significant compensations.

defense without any central planning, relying solely on free wills and spontaneous cooperation. So long as some body needs to be organized to prevent the entry of some people into a given territory, it is an embryonic government and a future threat to the freedom of its citizens. One can simply imagine, as an alternative to that organized body, voluntarism by private entities and companies, based on e.g. reports of citizens and their own intelligence, regarding threats that could represent some foreign persons attempting to enter a given territory they committed themselves to watch, as a self-promotional stunt. We can imagine surprising ways of caring for the security of customers inside the territory protected by the « umbrella », e.g. flying in permanence drones above suspected intrants, while letting them free to move, to monitor them swiftly. Internet social networks matter as they also allow the spontaneous organization of the boycott of voluntary companies that would for instance trespass on the natural rights of foreigners (likewise regarding police and justice, of course – Internet social networks are the natural companion of the free market). Private police and justice firms can be expected to form very dense networks of cooperation relying on full transmission of informations and of course on the mutual recognition of decisions (to allow absence of contestation) and counting on the commitment of subscribers to provide, as well, as soon as needed, the information required to ensure their security or to warrant their innocence in front of another company. These cooperation networks would nevertheless certainly allow the entry of newly founded companies that provide full transparency to the others. Issues of criminality such as drug trafficking immediately disappear with government (and its diplomatic bags full of cocaine... as noted already by Frederic Bennett at the Parliamentary Assembly of the Council of Europe in 1984). Prostitution is a separate issue in which the consent is extremely arduous to warrant on the side of the prostitute – Mises himself knew it, pointing in *Socialism* how prostitutes are *not* free but « belong to the owner of the brothel » and how prostitution is not linked to capitalism but reminiscent of older traditions such as militarism ; paid sex is extremely rarely consensual, the links between brothels and the mafia or mobs have been widely reported (in Germany's legal brothels, for instance, many cases have arisen), and the only sensible solution is a ban which would target customers. Private police networks, for instance, funded by persons agreeing with Mises, such as the author of this article, could enforce such a ban by organizing the hunt for « customers » and jailing them with their own means based on relatively moderate sanctions for first-time convicts and increased sanctions for recidivists. In addition, it should be noted how legal prostitution increases pressure on prostitutes to accept more brutality from customers, or unprotected sex (as noted by a report of the Court of Accounts of Geneva in Switzerland in 2014⁴⁴). In general the tolerance on prostitution attracts mafia rings and lays the basis for increased insecurity in the areas of sex « work », notwithstanding the obvious human suffering, and an anarcho-capitalist society tolerating it would see the overall cost of security increase significantly.

The right of all private business to define which forms of payments they accept and at which rate, is obvious. The right to discriminate between customers as well. It is part of the self-defense of society against e.g. foreign invasions, and part of a process involving social networks – allowing also other forms of boycott, permitting the defense of other causes – for instance environmentalists boycotting hunters or big polluters (and the reverse !), KKK members boycotting persons of colour, Jewish citizens boycotting Nazis, etc. As concerns private currencies, in the absence of government and so with (obviously) no legal tender, all forms of commodity can be used yet one reliable solution is certainly the use of shares, bonds, other financial products, traded in nature or virtually with blockchain security – frangible, easy to carry, linked to property (right to dividend and vote, or to coupon and to a final refund, etc) – together with other commodities such as gold, cannabis oil, or whatever is seen as useful (even alcohol). The bonds, shares, could be divided easily (as if today somebody came to the mall or the baker with a phone containing a virtual wallet with many stocks and bonds, and paid e.g. an apple pie with 5/1000th of a Google share – that is a simple example showing what is spontaneously possible ; the company would simply need to accept that voters, in the general assembly, vote with percentages of shares, and grant percentages of dividend in

44 Pages 23 – 24 <http://www.cdc-ge.ch/Htdocs/Files/v/6419.pdf/Rapportsdaudit/2014/Rapport85.pdf?download=1>

proportion as well). In this system no company has an interest in overflooding the market with bond or share emissions (unlike what States always do with fiat⁴⁵) for it would certainly rapidly lead to not only a fall of average purchasing power of the bond or share, but also increase the risks of a company buyout. The main principle is that the commodities balance each other – each has its specific values. Bonds, shares, are virtual and can be traded all over the world instantly and rely on the value of a company that can be asserted by each one, especially if the company itself does the effort of providing good accountability on its financial situation (market competition incentivizes as always a relative transparency). Cannabis oil can be kept for years, has enormous medical properties, and constitutes a simple complement especially as technology shall certainly allow simple portable devices permitting for each user at a low cost the spectrometry of the product through the glass of a bottle, to measure the grade in phytocannabinoids (« is it really 15 % CBD and 0,3 % THC? ») *without breaking the seal of the manufacturer*. The spontaneous order will certainly produce many other currencies and Internet networks allow for immediate comparison of prices...

The idea that any form of State is needed for security and defense is erroneous. What people really want, they invest to achieve it – by organizing charities to ensure security if they feel it needed, by asking some to pay more or by refusing to contract with those they despise, etc. If they do not want it, they should not be forced to pay for it – no central organization should have any power to decide for them – market and spontaneous organization provide a natural balance, as Ludwig von Mises, Friedrich Hayek, Murray Rothbard and many others have argued. What was implied in the wording of the Second Amendment, is now fully possible thanks to new technologies that resolve all the old issues of currency, security, defense and minting. Government really should be considered as, quintessentially, an *old makeshift solution that definitively failed* and essentially a thing left for museums, together with dinosaur skeletons and cubist paintings.

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⁴⁵ James Madison expressed his fears regarding paper currencies in his young years, and regarding Hamilton's national bank projects in 1791 (unsuccessfully)...

On totalitarianism and its levers : the study of Sismondi as a user's manual

Keywords : imperialism, romanticism, fascism, state intervention, racism, antisemitism, masculinism, Machiavellism, holism, demand-side economics, Counter-Enlightenment

Jean de Sismondi is a perfect test case for identifying the tenets of totalitarianism : irrefutability, good reasons to hate scapegoats, to obey the State and let it intervene in markets as defender of the new order. Ludwig von Mises was first to claim that Sismondi was one of the main fathers of Nazi economic thought. His point can be demonstrated by showing the interrelatedness of nationalism and economic thought, as well as racist conceptions of mankind, in Sismondi's thought. Sismondi aimed at developing a military Republic, where a work guarantee for the peasantry through compulsory sharecropping on latifundary tenancy would be imposed on proprietors, ensuring quick development of future recruits for the Republic's militia (with the argument that sharecropping would increase proprietary gains, hence prefacing fascist demagoguery about « class cooperation »). Sometimes Sismondi openly pressured for colonial expansion for economic purposes, contradicting his own views on Say's Law. He especially campaigned for the conquest of Algiers, mixing economic arguments with a humanistic discussion about the fate of the Arabs under Turkish rule and with piracy issues. Sismondi also contradicted himself on slavery, suggesting in a comment that slaves must work a few years to pay for their freedom, thus acknowledging implicitly owners' economic rights on them. Sismondi was in fact close to Rousseau. Fascism has usually been defined as a nationalistic, pragmatic reconstruction of idealistic Socialism, and this reconstruction can be traced to the Rousseau-Sismondi line, even though they in fact intermerge.

Introduction

Sismondi, machist, nationalistic, racist and sometimes anti Semitic economist and civil rights thinker of the 19th Century, with Swiss origins and Protestant (Unitarian) beliefs, repeatedly assimilated himself to Rousseauism, even though he criticized Rousseau's political economy of expropriation, criticized frequently socialist models such as Owen's and expressed fear as regards jacobinism and the *Terreur*, which he experienced in 1794 when *sans-culottes* invaded Geneva.

Virilism is a key in his writings. Attacks about the « effeminate » are obvious and numerous. Sismondi also expresses very frequent preoccupations about « races » and their « glory », yet solely European « races ». Some elements allow to underline a latent anti-Semitism in his thought (already suggested by Bridel, Dal Degan and Eyguésier, in an introductory note of one of Sismondi's economic writings (*Oeuvres complètes*, IV, p. 399) and reinforced by the late definition by Sismondi of Jews in Poland as « a foreign people » followed by a comment about the « lack of a race » in Poland, implying that Jews may be taking space that others should use instead and that they should thus be evicted - in *Discourse for the Wilna Academy on the « two systems of political economy »*, 1836, p. 114). He was also absolutely obsessed by the Muslim “infidels”.

J. A. Schumpeter defined Sismondi as an « amateur » politician, which is easily demonstrated by strong changes in his economic and social thinking from one piece of work to another (as opposed to a progressive “conversion”). He is known for having criticized Say's law and demanded salary increases for workers as a response to gluts, both in metropolises and for indigenous peoples in colonies, but in *De l'expédition coloniale contre Algiers* (May 1830), article in which he associated himself with the absolute monarchy of Charles X, he actually suggested the opposite, demanding colonial expansion for France for both reasons of competition with foreign powers and *commercial openings for the French « surplus »*, hence meaning that the industry would not have to increase wages anymore as usually demanded by the author. This could be seen as one of the first theorizations of economic exploitation in colonies, in contradiction with Sismondi's considerations about short trade circuits and autarky for workers' sake, and the more general and very insistent definition of political economy as a « moral science », earlier and later in life. For instance in the *Nouveaux principes* éd. 1819, chapter 4.11. « un pays qui a très-peu de capitaux peut désirer de les employer tout entiers au commerce intérieur ou à son propre usage » ('a country which has very little capital may desire to use them wholly for internal trade or for its own use'), and 4.12 « le commerce est un lien entre les nations... mais (il) excite aussi une rivalité secrète de chacun contre tous » ('Trade is a link between nations... but (it) fosters also a secret rivalry of one against another') - the same sub-chapter incorporates one definition of political economy as, dominantly, a « moral science ». References to self consumption (implicit autarky) and economic protectionism are even more numerous in Sismondi's writings after 1830.

Machismo and insistence on state intervention are intrinsically bound up. This is obvious from a moral judgment, from an exterior viewpoint, but is also demonstrated by the *motives* of Sismondi's demands for state intervention. It is to build a **republic of soldiers** trained and capable to wage wars. Sismondi's history of the Republics of Italy is obsessed with wars and his view of literature,

for instance, also demonstrates an obsession with crusades and the struggle for « Christendom ». Sismondi intended to draw the path for a national rebirth in Italy in 1802 – 1808 and undertook a similar work for France later in life, before Jules Michelet (under the constructivist title *Histoire des Français*). Both works will make a significant contribution to historical romanticism and are testimony to *palingenetic project* (to use Roger Griffin's definition of fascism). Sismondi's nationalism is original in what he is centered not on a single country, but on the whole Latin area which he seemed to favor, attempting to construct separate identities on the model of Rousseau's project formulated in *Considérations sur le Gouvernement de Pologne*, perhaps the first explicitation of an intended constructivist project regarding national identities (prime proof of what Hobsbawm and Ranger called "invention of tradition", Anderson "imagined communities"), associated with demands for the building of Republics based on these constructed identities. « Un Français, un Anglais, un Espagnol, un Italien, un Russe sont tous à peu près le même homme... A vingt ans un Polonois ne doit pas être un autre homme ; il doit être un Polonois » ; « il faut maintenir, rétablir ces anciens usages et en introduire qui soient propres aux Polonois » (« A Frenchmen, an Englishmen, a Spaniard, an Italian, a Russian are all more or less the same man... At 20 years old a Polish man must not be another man ; he must be a Polish man' ; 'It is needed to maintain, re establish old customs and to *introduce* [I underline] which be proper to Polish men ») in *Considérations sur le gouvernement de Pologne* – suggesting to *introduce* new customs for a group of populations is especially constructivist in nature.

Sismondi closely followed Rousseau's ideas, saying as early as in his *Recherches sur les Constitutions des Peuples Libres* (1803) that he disagreed with Rousseau « more on words than on things »⁴⁶. The words in the introduction of the *Histoire des républiques italiennes* make clear that there is a project for national rebirth at the root. It is also in this text that appear the some of the earliest recommendations for state intervention in the economy (even though they are already in *Richesse territoriale* (1802) where Sismondi says that the « sovereign » « can and ought » to limit uses of property - *Oeuvres complètes*, III, pp. 119 - 121), suggesting that property is a « concession from the social order granted to some for the benefit of all » and denouncing the capture of political power by « philosophers, nobles or the wealthy » - *Histoire des républiques italiennes*, IV, 1807 edition, p. 159. The *Histoire des républiques italiennes* insists on the need to train soldiers for instance with the example, likely drawn from Macchiavelli's *Discourses*⁴⁷, of Cincinnatus, the Roman general who owned a farm under a sharecropping agreement and saved the Roman Republic, immediately in the introduction before despising Italians of his time for their « decline », and is mostly a *military* history of Italian medieval times centered on heroism and treason.

Rousseau's *Projet de Constitution pour la Corse* proposed expropriation of commerce and forced work to provide goods for state-owned outlets, in clear prefiguration of Stalinism. Sismondi's proposals are more subtle yet also lead to landholders' demise through forced adoption of peasants with long-term contracts, based on arguments about class cooperation and suggested mutual benefit, which is dubious even based on actual economic history of Italy's regional productivity before the disappearance of sharecropping agreements in the 1970s (as Tuscany was the model for Sismondi's

⁴⁶ Rousseau also was deeply preoccupied by « effeminate » - see again the *Considérations sur le Gouvernement de la Pologne*

⁴⁷ In *Littérature du Midi*, Sismondi explains that the *Prince* should not be taken seriously but seen as satirical, whereas the *Discourses* are « for the honest man », which is highly contradictory. Both writings defend trickery and are highly militaristic in nature.

proposed class cooperation)⁴⁸. And while Sismondi campaigned for the immediate liberation of slaves in the *Etudes d'économie politique* (1836), he actually contradicted himself in a comment he wrote on Agénor de Gasparin's proposal for a similar system in 1838 (*Oeuvres complètes*, IV, 30), explaining that slaves must work for several years in order to *buy themselves from their owners*⁴⁹. Sismondi also criticized the expansion of the principle of property to state sovereignty in the *Nouveaux principes* (Book 7 Chap. 4), opening way to intervention in foreign countries as Sismondi himself used piracy from the « Barbaresques » in Algiers as reason for overrule. Security issues, « co-development » through sharecropping agreements granted to Arab peasantry and colonial exploitation interbred in Sismondi's writings on Algiers until 1830.

The fascist flag used by the Italian fascist party is another way to look at the influence of Sismondi's ideas in Italian fascism. Ludwig von Mises (1936) says that Italian fascism did not originate in Mussolini's writings and will survive him. Mussolini was once an « adamant adversary of patriotism, nationalism, imperialism, monarchical rule and all religious creeds » and his choice for the flag suggests the centrality agriculture and of class cooperation bound up by the authority of the State, as the « branches of society » are tied up by the force of the State to constitute the bundle. Von Mises certainly proposed that Sismondi, before Sorel, was key in Nazi economic policy because of Sismondi's corporatist proposal of organizing a right to work for peasants through the partial expropriation of tenants by law, with the argument of mutual benefit through sharecropping. Sismondi also suggested a progressive income tax (on the argument that the wealthy benefit the most from state intervention, which « protects their holdings », in contradiction with the fact that Sismondi actually proposed state intervention for the benefit of the poor – for instance in *Nouveaux principes*, book 6 chapter 1⁵⁰) and attacked in general what he called « chrematistics » and inequality of wealth, based on a demand-side approach to economics.

I will first demonstrate Sismondi's racism, machismo, antisemitism and religious fanaticism, as well as militarism, through a lecture of his literary analysis of the Southern Europe works from the Middle Ages and Renaissance (*Littérature du Midi de l'Europe*), then comment on his institutional organicism, bind it up with his political economy, and eventually discuss Sismondi's strategies for dissimulation of his national-socialist project. Throughout that research this will be a very exciting opportunity for investigation onto the fundamental mechanics of all forms of totalitarianism.

Sismondi's romanticism of violence and hatred as seen in the *Littérature du Midi de l'Europe*

Machismo, imperialism and political violence

48 Grizi's comparative study on agricultural productivity in early 20th century Italy is far from convincing regarding the agricultural productivity of sharecropping areas even though differences in soil fertility must also be ponderated

49 Sismondi also mentioned at the end of his chapter on the subject in the *Etudes* that room must be allowed for the punishing of emancipated slaves that would refuse to participate to sharecropping schemes

50 Whereas for instance in the same book Sismondi makes the first calls for forced landshare through an agrarian law.

Sismondi's machismo and, especially, obsession about "effeminate" is reflected both in Machiavelli's own machismo, adhesion to what Françoise Héritier calls "differential valence of the sexes", and, anteriorly, in Rousseau's identical obsession about "effeminate" (a topic almost never raised in public debates about Rousseau in France). Graeme Garrard also notes Rousseau's conjunction of hatred for the Enlightenment in Paris and admiration of Geneva's adornments as a small cohesive community with 'masculine' virtue to which Sismondi also clearly identified as he spent most of his life in the area, except for travels (mainly in Italy where he stayed some years in Pescia). Ludwig von Mises has exposed the deep link between socialism and domination of women in *Socialism*. In the *Littérature*, Sismondi presents "effeminate" feelings as leading to "Opera tears", far from the tears from "drama" (p. 340 book 2), opposes "nobility and courage" in behavior to "effeminate gentleness" dominant in a country where, hence, a drama centered on nobility and courage would express best (p. 384 book 2⁵¹). Alfieri is the "poet of liberty", everything in his writings is "political" in a country where the men, on the model of Metastasio and Guarini, have become "effeminate" in the 18th Century (pp. 437 – 439 book 2). Sismondi's definition of "liberty" and "politics" is thus highly masculine. Whatever "effeminate" is "corrupt" (p. 445 book 2). This can be directly linked with the homophobia of the Marx – Engels "couple", very clear in the June 1869 letter from Engels to Marx denouncing "rampant pederastia" in the German state.

Sismondi sees in Machiavelli a « satirical author » which would not have written the *Prince* to « consolidate the reign of a tyrant he hated » (« Le vrai but de Macchiavel, cependant, ne peut pas avoir été d'affermir sur le trône un tyran qu'il détestait », p. 225 book 2) but more as a consequence of a general despise of human beings (« Une amertume universelle contre tous les hommes », *ibid*), which is in total contradiction with Sismondi's reading of Machiavelli's *Discourses* in the same book, in which he says that Machiavelli « goes much more frankly to his aim », he writes « for every honest man which loves to reflect on the destinies of nations » and he is « much more moral » than in the *Prince* (pp. 226 – 227 book 2 « Tout ce qui, depuis cette époque, a été écrit, dans aucune langue, de plus profond sur la politique, est né de ces premières méditations de Macchiavel ; et comme dans cet ouvrage il marche beaucoup plus franchement à son but, comme il n'écrit point en même temps pour un tyran et pour un peuple libre, mais pour tout homme honnête qui aime à réfléchir sur les destinées des nations, ce livre est beaucoup plus moral, tout en contenant des leçons non moins profondes... »). This is in total contradiction with the actual purpose of the *Discourses*, which is in fact another apology of war, imperialism (on the model of Rome against Venice and other mixed regimes) and of trickery (See also Ch XLVIII book I, Ch. XIII book 2, Ch. XL book 3). On this topic Murray Rothbard (1995) says that Niccolo Machiavelli « was unquestionably a new phenomenon in the western world: a conscious preacher of evil to the ruling class ». « The Old Nick of the *Discourses* is in no sense transformed by goodness; he is simply adapting his doctrine to a republican as against a monarchical polity ». « Machiavelli condemns the pursuit of private interest as 'corruption' ». « In short, Machiavelli is still holding the maintenance and expansion of state power to be the highest good, except that now the state is oligarchic and republican ».

On imperialism, Chapter VI of the first book of the *Discourses* is essential in what Machiavelli actually explains that belligerence and conquest of foreign lands is the « most honorable choice » as a response to political « instability » *inside* the Republic, as the title of the chapter refers to a

51 (wrong numerotation, « 584 » in the edition)

possible solution to conflicts between the Roman Senate and the Roman people (it is not stated in open words, Machiavelli being as always sibylline, but is a direct consequence of the two last paragraphs of the chapter – gentleness is seen as worse than warmongering, and the Republic must « at least » conserve what it annexed). It is a pure theory of perpetual movement as a way to unite « the Roman Senate and the people » and thus the first and most explosive statement of conquest as a response to « disequilibrium »⁵², both a confirmation of Girard's scapegoat theory (internal catharsis of the polity through sacrificial wars abroad) and a foundational moment for political fascism – and the direct consequence is that all authors, including for instance J. G. A. Pocock, that referred to Machiavelli's Discourses as a good foundation for republican theory should be seen as well as fascists. Keynesianism, based on the « market disequilibrium » theory (spilling to an actual theorization of the « disequilibrium » as a way to defend state intervention in the market by Malinvaud, Drèze, Leijonhufvud...) can be seen as the economic homologous of Machiavelli's disequilibrium theory, another justification for state imperialism in the market, and Sismondi was among the firsts (with Malthus) to expose the « global glut » theory, ancestor to Keynesianism⁵³. The combination of these two interpretations of Machiavelli leads directly to Ayn Rand's thesis that mixed economies are instable and will evolve into dictatorships if market controls are not released. Both instability inside the national economy and in international relations may be alternatively or conjointly used to justify state intervention. Von Mises in *Human action* (1940) says that « All varieties of interference with the market phenomena not only fail to achieve the ends aimed at by their authors and supporters, but bring about a state of affairs which — from the point of view of their authors' and advocates' valuations — is less desirable than the previous state of affairs which they were designed to alter. If one wants to correct their manifest unsuitableness and preposterousness by supplementing the first acts of intervention with more and more of such acts, one must go farther and farther until the market economy has been entirely destroyed and socialism

52 There are quite few writings critical of Machiavelli's Discourses outside Rothbard, Mark Hulliung in *Citizen Machiavelli* (1983) is one of the few, he makes several extremely good points, is the only author I have found to actually discuss Disc I. 6. but he did not went up to the « political catharsis through violence against a scapegoat » argument that is core in all brands of fascism, and, as is more and more well known, very frequent with « left-wing » socialism as well, be it the Soviet Union's rabid policies against minorities, for instance Ukrainians, Tatars, Chechens, the scapegoating of Jews in Poland for instance in 1968 and the more general obsession around Jews in the USSR leading to their confinement in Birobidzhan, the expulsion of Turkophone Bulgarians in the 1980s, the lesser-known recourse to Orthodox Christianity by Stalin in Winter 1941, the use of nationalism by movie makers, for instance during the 30s in USSR (Eisenstein's Alexander Nevsky) and under Ceaușescu in Romania, and the state-driven oppression of LGBTs during most of the existence of the USSR... Avraham Shifrin, in *the First Guidebook to Prisons and Concentration Camps of the Soviet Union* (1982), reported about the existence of several death camps in the Gulag, including mostly uranium mines and nuclear industry plants, with almost 100 % death rate (Anne Applebaum, in *Gulag, a history* (2005) discusses one particular case in Czechoslovakia, and says that « In retrospect, it is clear that political prisoners with long sentences – the equivalent of the Soviet katorga inmates – were sent to these mining camps in order to die. Although they worked extracting uranium for the new Soviet atomic bomb project, they were not given special clothing or any form of protection at all. The death rates are known to have been high – though how high, exactly, is still unknown ». Jaurès Medvedev, the biologist known for having shed light on the Mayak disaster, discusses as well the issue, explains that uranium mines in the Far East were part of a « special group of very harsh camps » established on « Stalin's personal directive » for so called « especially dangerous criminals » (political groups, as well as nationalist groups), with no chance to escape alive, in « Stalin and the Atomic Gulag », *The Unknown Stalin*, 2003). This is entirely confirmed by a 1986 Associate Press press release which mentions trainloads of 4000 to 5000 prisoners every few months and walls to maintain secrecy between prisoners – a set up visible on the available pictures of the Butugychag, one particular uranium mine in the region of Magadan that has been publicized. Shifrin's account of about thirty such mines in the USSR leads to the obvious conclusion that more than 20 million persons died in this industrialized democide.

53 Even though Keynes did not read Sismondi and solely took inspiration from Malthus, another early French Keynesian, Albert Aftalion, wrote his PhD thesis on Sismondi's economic thinking in 1899.

has been substituted for it. ». René Girard does not discuss economic policy yet his comment of war in *Achever Clausewitz* (2007) leads to the same conclusion as state intervention in the market is easily assimilated to a form of economic war. These views can be summarized and totalitarianism can be defined as a permanent war against society. The “theory of disequilibrium” which gathers popular passions and produces the “spectacle” (to quote Guy Debord – it is all about appearance of success, especially when the media are under total control) of victory to consolidate the regimen opens the way to fascism.

One good way to merge René Girard’s scapegoating theory with methodological individualism is to look at the “good reasons” individuals have to design what is understood, from an external viewpoint, as scapegoat, but that they of course do not see on their own as irrational scapegoats but as the *actual* cause of all their ills. “Good reasons” i.e. subjective rationality is the thesis of Raymond Boudon. “Good reasons” are provided by political entrepreneurs wishing to develop their own path to power (or, simply, monetary income from donations) by providing an explanation to the current economic (geopolitical...) situation alternative to the mainstream one. They thus need to insert it into the “public debate” (which is less dependent on a limited supply of gatekeepers now thanks to the Internet and social networks, which have increased competition and allowed more voices in). Jews, for instance, are not hated “because of their long nose, pale skin and curly hair” but *because they own a number of banks that impose their conditions to the rest of the economy and thus control policymakers*. This is a simple case for subjective rationality⁵⁴. *LGBTs are attempting to turn our children into homosexuals by getting “gender issues” into school programs*. The government is deliberately attempting to replace us with immigrants to have a more submissive population and immigrants steal our jobs. There is nothing like scapegoating, like a rise to the extremes, without subjective rationality behind each act, and electors need to be provided with such “rational” arguments to elect leaders that will take action against scapegoats. Even pure mimetism can be seen through the eye of subjective rationality : when searching for information is costly (groups that want to benefit from mimetism have of course all interest to make that search as costly as possible), believing that the crowd has the good information is essentially a calculation to save energy. It leads to blind mimetism but relies on pure subjective rationality.

Sismondi clearly attempted to present “effeminate” as a threat to the military abilities of the new Republic and thought that the State had as a mission to develop military virtues in the population (to defend itself against foreign enemies, like non-Republican governments), a mission achieved among other things through intervention in markets (see Part 3). Both Marx and Sismondi could have seen homosexuals as a threat to the strength of the state. To be accepted by the many, the political act of scapegoating has to rely on a subjective rationality (which most of the time has an economical core) that the task of the economist is thus to deconstruct. And the failures of central planning lead to more pinpointing of “traitors” to explain them, as in Ayn Rand’s proposal. The political entrepreneurship of antiliberals is a highly rational process even though criticism of human rationality is a keystone in their propaganda.

54 Jacques Le Goff, in *Your Money or Your Life, Economics and Religion in the Middle Ages* (1988), links the Christian stigma against money lending (which led Israelites to occupy most money lending jobs) to the subsequent stigma against the « Jewish banker »

Racism, religious fanaticism

Sismondi expresses through the lines of the *Littérature* his desire for heroes and dramatic battles. Discussing Arabic counts and legends, he underlines the « lack of nobility » and of « heroism » that « we are accustomed to desire » (p. 64 book 1). He claims that « heroic times are the ideal of the next generations » while himself having just claimed that « epic has *with reason* the first rank in all kinds of poetry, in all productions of the human mind », and is a sign of « the primitive forms of beauty, which nothing equates in the world » (p. 154 book 2). While having defined taste as a product of *imitation of past eras*, he is in fact suggesting again his personal views as the best ones. It clearly proves again the military romanticism in Sismondi's discourse. Crusades are for Sismondi a « perpetual communication » (« *la prédication de la croisade en 1095, et la communication continuelle qui s'établit dès-lors entre la chrétienté et le Levant* », p. 121, first book) and a « poetic event » where romanticism spills from sacrifice of « prosaic interest » to feelings and passion ; the violence is cause for the sacrifice which Sismondi has always demanded to owners through his works, thus already demonstrating how Sismondi's thrives for militarism and expropriation conjoin together (« *De tous les événemens de l'histoire du monde, aucun n'est peut-être plus hautement poétique que la croisade ; aucun ne présente de plus grands effets de l'enthousiasme, de plus grands sacrifices de l'intérêt, qui toujours est prosaïque, à la croyance, au sentiment, à la passion, qui sont du ressort de la poésie* », p. 122 first book). Hatred is, here, poetic and the link between military sacrifice and the rejection of the "calculatory interest" is certainly the most central definition of the "fascist way to socialism" (see also on anti-rationalism, below).

The word « infidels » about Muslims comes by and by. Richard, king of England, inflicted « so much terror to the infidels » and Sismondi expresses his overall positive feeling about the king (even though he criticizes his rudeness, lack of loyalty to entourage and assassination of war prisoners) by narrating a small anecdote « which we would like to love » about him (pp. 144 – 145 and 147 for the anecdote, book 1). On Charlemagne, Sismondi again criticizes the « golden legend » of the king yet talks of Muslims as « the infidels » (p. 286 book 1), and on the next page again says that Alfonso VI king of Castilla and Leon and French knights went through the Pyrenees to battle the « infidels ». Argant, in *La Gerusalemme liberata*, is « the most fearsome of the infidel heroes » (p. 110 book 2). The Ariost writes a poem about heroes that « save the Occident » from Arabic invasions, Charles Martel « delivers » France and the Ariost again gets « a great number of infidels to perish in his last songs » (pp. 64 – 66 book 2). The world of the Ariost is a world where « no calculation cools down the anima », sadness and fear « from inequality of wealth » are forgotten and this factice world « is a *quite pleasant* relief from the real world » (pp. 68 – 69 book 2), bringing us back again to the fascist way to socialism.

Sismondi talks about « God (allowing) that the whole of Europe be governed by heroes », i.e. Frederick 1 in Germany, Henri II and his three sons, Raymond in Toulouse, Berenguer and his son Alfonso in Catalunya, « heroes » which all 'shined' through their wars against the Arabs, Crusades and the Reconquista in Spain. Vidal, a troubadour which narrates an epic about that era, showing « these heroes [the kings and barons] united by poetry », « shines through a nobleness of language and a wisdom of thought » according to Sismondi (p. 174 book 1). Sismondi's racism is also suggested by comments about Arabs « ignorants, cowards and perfidious » alike « Greeks, Syrians and Egyptians fellahs », as opposed to « Europeans ». Beyond religious appeal for warmongering in

the East, Sismondi suggests that any reason would be actually enough to justify crusades, that « in the Clermont council knights ought to shout, not God wants it, but honor wants it, fatherland wants it, humankind wants it ; whatsoever... »(p. 102 – 103 book 2 - I underline).

Antisemitism can also be suggested through some comments, especially Sismondi's need to *specify* the Jewishness of some characters (for instance « a Jew named Léon » - « *A la fin du seizième siècle, douze ou quinze poètes italiens publièrent des drames pastoraux ; quatre ou cinq femmes , un souverain de Guastalla , un juif nommé Léon , s'essayèrent dans le même genre* » p. 176 book 2). Jewishness is always used as the equivalent of a national belonging in the *Littérature*. Sismondi even talks once about « Jewish blood » (p. 509 book 4) mixed with the “blood of the Portuguese nobility”. He explains antisemitism in Spain not because of religious or racial motives but because of “jealousies linked to trade” (p. 265 book 3) and, even though he once expresses sympathy for Spanish Jews under the Inquisition, he clearly partakes to the defining of a “Jew” type separated from other nations (and they are the only major Mediterranean population whose literature is not studied at all by Sismondi in the book – even Arabic literature is the topic of the first chapter as Sismondi's thesis is that it inspired Latin literature⁵⁵), leading to the obvious conclusion that Sismondi was an adept of the cliché of the “wandering, stateless Jew” already in 1813.

We already see that criticism of kings and apology of old “Republics” is combined with alignment on deep medieval ideologies of racism and antisemitism, only debased from Christian beliefs, arriving to a pure principle of racist hatred which is presented as people's deep root ideology through literary analysis of counts and legends. Christian principles of tolerance (as Sismondi claims to be a Christian he could have been expected to promote these principles) could have threatened its « Machiavellian efficiency » in forming a new motor for catharsis through imperialism beyond the borders of Europe and for state intervention in the economy (where it is clear that personal interests and calculations have to bow down), so Christianity disappears behind more general ideas about “mankind” and “nation” and, crucially, “the Republic” as core values for the community to regenerate. It is a tract of racist propaganda and an open call to expansionism.

This political tract will translate later in Sismondi's life in demands for wars against Turks addressed to the French Restoration government (at the end of Charles X's reign) that, as a self-defined Republican he could not have been expected to support, yet as a mere opportunist did.

⁵⁵ One could point that Sismondi, as an Unitarian, could have felt closer to Muslims. In the *Histoire de la chute de l'Empire romain*, written later in life by Sismondi, the Arabic civilization is depicted much more positively, as an independent nation, Mahomet is presented as the « reformer of the Arabs », founder of « one of the biggest revolutions that changed the world » followed by decline and corruption in his successors. Sismondi nevertheless underlines at one point Mahomet's « hatred » against Jews. There is a similar viewpoint in Thomas Carlyle, another founder of Nazi economic thought according to Von Mises. August Bebel, German late-19th Century Marxist who wrote on Islamic tolerance, eventually came to defend the SPD as a “school for militarism” in a reply to Bismarck (see Hayek, *The Road to Serfdom*). Mahomet's « revolution » against Christendom may have been the conscious or unconscious reference for all revolutionaries that saw the 19th century liberal consensus as a “figure of Christianity”, and associated the absence of miracles in Islam (noted by Sismondi, who also as a Christian disliked mysticism) with some kind of revolutionary pragmatism. I have always wondered how consciously the Communist “sickle and hammer” emblem has been made similar to the Islamic crescent and star, and the Red Square Lenin mausoleum to the Kaaba in Mecca, as a similar reference to that anterior “Revolution” (see also : Roger Garaudy, former Communist converted to Protestantism, then Catholicism and then Islam, Carlos, left-wing terrorist that eventually converted as well to Islam, Bernhard Falk, another left-wing terrorist converted to Islam...). Of course no need to point out how Hitler will ally with the Palestinian mufti in the eve of WW2, and how Nazi ideology is still visible in some Middle Eastern countries, esp. Syria with the SSNP (or even the swastika seen in March 2018 in Gaza demonstrations led by Hamas), Hezbollah (which uses the Nazi salute in its political meetings)...

Sismondi was mostly craving for national *grandeur* (as he himself says that the conquest of Algiers will bring « glory » to France in *De l'expédition contre Alger*, op. cit). He already had come to support Napoleon's coming back in the « Cent-Jours » in 1815 after Bonaparte conceded a few constitutional changes. These moves must have prompted J. A. Schumpeter's definition of Sismondi as « amateur politician ». Sismondi's politics are racist and palingenetic. Here the national revival project relies on national expansion in the South, domination of the foe, both supportive of the national economy through protectionism (export of surplus in a classical mercantilist project). The ideological project of Sismondi was to scapegoat Muslims in order to justify national union behind a common foe, recycling old Christian-Muslim rivalries in a dechristianized context, creating a new secular religion of the nation, and thus to construct the military Republic of his dreams in which he may have hoped to play a political role as he for instance had a meeting with Louis-Philippe d'Orléans in 1824 (see on this Fragments, p. 79). At the end of his life Sismondi attacked « colonialism » and imperialism in almost Marxist terms, but his attacks targeted mostly English imperialism (in Egypt, Syria, China...) - see Fragments, *letter to Bianca Mojon*, 13th March 1841, p. 213 - and whereas France was at the same time setting foot in Guinea, Madagascar, Mayotte, was supporting Mehemet-Ali's expansionism and had waged war in Mexico, Sismondi did not of course comment on that. He clearly was utterly pro-French.

Anti-rationalism

Anti-rationalism has been underlined as foundational in the « Counter-Enlightenment » by philosophers such as G. Garrard who pointed out the specific contribution of Rousseau to that political and philosophical movement, from his « Discours sur les Sciences et les Arts » in 1750. Sismondi, in his *Littérature*, confirms the legitimacy of his own comments about sympathy to Rousseau's thinking by exposing his own taste for the refusal of rationality in literature. The whole romantic movement in literature, which Girard attacked in his first opus (*Deceit, Desire and the Novel*, 1966), can be seen as a direct continuation of the first Counter-Enlightenment and Sismondi was an active member of it.

There are very significant occurrences of anti-rationalism in Sismondi's *Littérature*. The first point is that Sismondi argues repeatedly that the beauty of the *eloquence* of the narrator of old counts and legends is enough to believe the reality of the facts. He for instance states his point in an account of Attila's court customs in the *Nibelungen* (« the events in this poem are historical, they are narrated with such truth, with such knowledge of the mores of Attila's court, that we cannot have written them for the first time in a much posterior era » - p. 30 book 1), or in a discussion of *La Gerusalemme liberata*, where according to Sismondi, Torquato Tasso exposes a « scrupulous truth » where even the paths of heroes in the woods of Jerusalem are real and the 1st Crusade « cannot be separated » from Torquato Tasso's narration (p. 121 book 2). It has « a degree of *grandeur*, divine and humane interest as well as variety, dramatic movement » (p. 105 book 2) which has seduced the commentator. The Ariost, discussed above also for his religious radicalism, « has in his language, in his abandon, an inimitable grace, that we pardon his nonchalance as naiveness, and as another proof of the truth of what he narrates » (pp. 75 – 76 book 2).

Sismondi's anti-rationalism is directly stated at one point in the *Littérature*, when he says that « we cannot, without fleshing out a story and taking out of it what makes it lively, separate facts from

beliefs » (pp. 142 – 143 book 2). Nevertheless Sismondi's facts are directly drawn from his own religious beliefs, blowing out all possibility for axiological neutrality. He reads with repugnance legends about « Apollo, nymphs, faunas and satyrs » because they are « known to be wrong ». He thus demonstrates his will to search through fictive literature for *historical facts* and not for the beauty of dramas. He is trying to look for truth in novels and counts and would include for instance the « Mysteries of Passions », a Biblical fable from late medieval times, into « romantic theater » (p. 329 book 1) but nothing coming from classical Greek inspirations, for instance, would have his true adhesion because they were not part of Christendom. He is, however, in his review of southern European literature, in search of « epic or dramatic inventions », « grand concepts of poetics », « passionate fervor » (p. 191 book 1 for the first two quotes, p. 276 book 1 for the last).

There are actually several historical mistakes demonstrating Sismondi's will to construct ex-post nations in the Mediterranean areas. He for instances imagines a « pure provençal tongue » which would include Toulouse, Provence and go up to the Puy en Velay, at the time of the crusades against the Albigensians (pp. 220 – 221 book 1), a claim which many historians would regard as extravagant. Another claim, according to which Italian would have appeared at the same time, during the reign of Roger 1st in Sicily, is also extraordinary in what the Italian language was heavily influenced by French (as well as, less significantly, Spanish) in later times. Frankish language is not « old French » according to Sismondi (p. 256 book 1), even though it had a major influence on the French language, old French seems according to him to derive solely from Southern Europe language (the Langue d'Oïl is categorized as “South European” and studied in his book), whereas Frankish also contributed in fact substantially to the formation of the French tongue (Sismondi shows his bias by presenting this contribution essentially as a “corruption of Latin” which led to abandonment of the “finesse of its syntax”, and depicting the Franks as “barbarians” - p. 255 book 1). Sismondi, early in his book, also romanticizes the political economy of Charlemagne, suggesting « the beginnings of a new prosperity » (p. 16 book 1) under his reign (a claim which he will himself later contradict, in his *Histoire de la chute de l'Empire romain et du déclin de la civilisation*). More extravagant even, the claim that the Reign of Aragon in the 12th Century spoke « Provençal » (p. 232 book 1). At one point he criticizes the « mixing of old myths and Christian religion » in Boccaccio, while he later contradicts his own point (usually based on religious views), saying that Charon being in Michelangelo's depiction of Dante's Inferno is « a mix of two religions, that is nevertheless conform to Christian beliefs » (p. 355 book 1). The book is an accumulation of clichés, for instance the “rational French” trope (pp. 299 – 300 book 1, see also p. 342 book 1 « Cette justesse de raisonnement qui fait toujours marcher (la nation française) droit à son but » - ‘this truth in judgement that makes the French nation go always straight to its aim’), German “loyalty”, Arab “imagination”, French “gallantry” (p. 266 book 1), the idea that *no woman ever* was a soldier in the “Orient” (p. 109 book 2 - not a single one in thousands of years of history ?), that in Provence, in the 14th and 15th century, « the spirit of cities had become almost absolutely republican », dominated by « principles of equality » and « a great zeal for public good » (p. 226 book 1)... On the contrary, Arab decadence in the 14th century is explained by the fact that « the poison was inside » (p. 76 book 1) the “national Arab spirit”. This comes directly before the suggestion that « Europe », shining at the beginning of the 19th Century, might fail, turn into a desert land like Mauritania and would be watched by foreigners (indigenous peoples of the Amazon and Oceania) with « astonishment » (p. 77 book 1), suggesting again palingenetic nationalism and demonstrating once

again the link of palingenetic nationalism with anti-rationalism, or, better said, the imperative of anti-rationalism for a national rebirth movement (the best “good reason” being actually to discard reason as treason). Sismondi despises Orientals and Germans ; his judgment is deeply influenced by this absence of axiological neutrality and bias for peoples of the Northern Mediterranean shore, leading to major mistakes in historical writing. His influence on 19th century Romanticism in Italy through its *Histoire des républiques italiennes* would certainly have promoted his economic thinking (exposed not only in books dedicated to economy but also in historical works) in Italy and perhaps directly in Mussolini’s hands as he (Mussolini) was a teacher likely to use historical works such as Sismondi’s for class lessons. Adolf Hitler also owned a lot of books in his private library and may have come across Sismondi’s writing. Yet antisemitism, which is not usually said to be a core element in Mussolini’s thinking, was also present, confirming once again Ludwig von Mises’ point about Sismondi and the origins of Nazi ideology.

Institutional organicism

Sismondi can be defined as an “institutional heterodox” as some elements in his thinking clearly represent an attempt at defining the economic dynamics of societies through its institutions. Veblen’s institutions of consumption seem here to have an antecedent : Sismondi, in the *Etudes d’économie politique*, suggests that each antique society had specific institutions *dedicated to the reduction of production*, i.e. that ancient *mores* had actually a *purpose* which is to avoid the “glut” - Sismondi suggests that the glut was avoided in Egypt by getting workers to build monuments instead of merchandise, in Sybaris by the dedication of production forces to luxury goods for the wealthy classes, and in Athens by distracting citizens with culture and democratic life. These ex cathedra claims are used by the author to legitimate his own denunciation of gluts in the modern economy, without any comment about the lack of overproduction during the 2000 years that separate him from ancient Athens in spite of the absence of any institution dedicated to the control of production. This is one example of “good reason” needed to justify his demands for state intervention (to increase consumption and restrict luxury), and there will be many other “good reasons” for state intervention in markets in the coming lines.

Sismondi’s anti-individualism can be confirmed through his general theory of relativism, formulated several times through his writings, and for instance in the introductory lines of the *Etudes sur les Constitutions des Peuples Libres*, using the famous “blind men and elephant” image (with, in his example, students in a painting academy that would start quarreling because of disagreements on the nature of the object) to defend the relativity of judgment and demand union around faith and fatherland (in *Etudes sur les Constitutions des Peuples Libres*, introduction, pp. 20 - 21). Sismondi also claims in the *Etudes d’économie politique* that individuals are shaped by institutions and that considering the individual « abstractedly », « isolated from the world », have come to conclusions that were « refuted by experience » (Introduction, iii - iv), in an obvious anticipation on Emile Durkheim’s holistic tradition in sociology. This brings us back to the rejection of rationality underlined above, and to the justification of restrictions to liberty.

In the introduction to the *Etudes sur les Constitutions des Peuples Libres*, Sismondi, using a version of Medea’s legend, elaborates what might be one of the first theories of the people as a “body”, by saying that the legislator, when elaborating a « progressive and liberal constitution », must suppress

no bias, no habit, that even though « science would have come to a precision [...] from which it is still far away », the legislator « should not hurt any popular feeling by suppressing what looks like a monstrosity », « exactly as the doctor would not reshape a living body, even irregular, even monstrous, according to the anatomic theories learned at school » (pp. 29 – 30.). This theory, which may have inspirations in the idea of *Volksgeist*, in particular leads directly to the concept of *volk* key in Nazi propaganda. Sismondi's idea of the “people” as a “body” and the defense of all primitive tendencies in it is the archetypal expression of populism. His arguments about the necessary “respect of mixedness” in societies (leading to corporativism) must be read from that fascist perspective.

These two theories, that institutions shape individuals and that the people is a “body” that must be left untouched, are contradicted by Sismondi's economic proposals, which would have a direct impact on the “shape” of the people. Another way to look at it would be to say that Sismondi sees the *prolétariat* as the body that *needs certain economic institutions adapted to its shape*, in direct extension of Sismondi's Rousseauvian claims that property is a right that spills from a primitive social contract and that it would have been granted *because it benefits to all* (especially : that it would be *protected by public force because it benefits to all, since very ancient times*, as if ancient public institutions had been generally preoccupied by the interest of the collectivity, of the poor, and were not simply extractive institutions) and thus can be withdrawn if it does not benefit anymore to the many (See for instance *Etudes d'économie politique*, book 1 p. 189). This claim, pre-dating Karl Polanyi's, and like the claim on the intended control of production in ancient times, does not resist Karl Popper's criteria for refutability, it is plainly impossible to demonstrate, yet it is one of the core tenets of Sismondi's economic thinking, leading to the invention of social rights based on the “social contract”. All socialists tend to attempt to base their thinking on anterior institutions (as they feel they have a lack of legitimacy) – Karl Marx's communist theory relies heavily on the supposed “primitive communism” of ancient tribes, another claim highly impossible to demonstrate, and, as shown by Lucas Carroll, Marx actually contradicts himself on the theory of value by sometimes referring to a subjective definition of value which breaks down all of his argument about exploitation (incoming paper presented at the Austrian Economics Research Conference 2018). Karl Polanyi did not do much more than reinventing Rousseau's and Sismondi's social contract and Marx's primitive communism. Populist theories are always filled with contradictions (what Mises calls polylogism and which can frequently be caught red-handed with a very careful reading of authors) and always rely on non-demonstrable claims which need to have some “Machiavellian efficiency” (ability to lure, relying mostly on sibyllinity, as in Machiavelli's Discourses⁵⁶) to reconstruct history with a bias and, eventually, to settle a teleological basis (the “good reasons”) for the legitimacy of an interventionist State. These non-demonstrable claims much be pinpointed and directly attacked to dis-inflate the bubbles created by irrefutability⁵⁷.

56 The « Sokal case » in 1996 is a good reminder of this.

57 One should remember that there is actually a controversy in French sociology, with a great number of French « militant » sociologists following Jean-Claude Passeron, who defends the « non-Popperian space of reasoning in sociology » ! (Passeron is known for having worked with Pierre Bourdieu). Militant ethnography, a « burgeoning, deliberately politicised approach to qualitative research » (as defined by Apoifis (2017)) is another good example of self-proclaimed refusal of refutability.

State intervention in the economy driven by militarism and corporativism

Rousseau expressed his love of “martial virtues” and despise to the softness of the bourgeois (linked with his hatred of effeminates) in the Discourse (1750). In his *Projet de Constitution pour la Corse*, he also exposed the basic principles of Stalinism, that is prohibition of private trade and closure of shops (« Je regarde si bien tout système de commerce comme destructif de l'agriculture, que je n'en excepte pas même le commerce des denrées qui sont le produit de l'agriculture. [...] Le projet d'une égale population demande donc une circulation de denrées, un versement facile d'une juridiction dans une autre et par conséquent un commerce intérieur. Mais je dis à cela deux choses. L'une qu'avec le concours du gouvernement ce commerce peut se faire en grande partie par des échanges; l'autre, qu'avec le même concours et par une suite naturelle de notre établissement, ce commerce et ces échanges doivent diminuer de jour en jour et se réduire enfin à très peu de chose. [...] l'administration publique pourra sans inconvénient présider à ces traites, à ces échanges, en tenir la balance, en régler la mesure »), and compulsory work for public works (« Je tire une troisième sorte de revenu, la plus sûre et la meilleure, des hommes mêmes, en employant leur travail, leurs bras et leur cœur plutôt que leur bourse au service de la patrie, soit pour sa défense, dans les milices, soit pour ses commodités par des corvées dans les travaux publics. Que ce mot de corvée n'effarouche point des Républicains! ») and for providing goods to state-owned shops (« Cependant je sais qu'il reste dans l'Île une grande quantité d'excellente terre en friche dont il est très facile au gouvernement de tirer parti soit en les aliénant pour un certain nombre d'années à ceux qui les mettront en culture soit en les faisant défricher par corvées chacune dans sa communauté »). This text centered on agriculture as the main economic motor and could have been an inspiration in Sismondi's economic thinking even though Sismondi seems mostly to have been influenced by the tradition of sharecropping agreements in Tuscany. Sismondi's prime project was to define a political economy for the new Republic which he intended as a reply to the « decline »; national rebirth required soldiers to prepare for wars and the political economy he proposed was directly intended at the preparation of war.

The link between agricultural policy and militarism is very clear in a number of writings of the author. In the *Etudes d'économie politique*, his 1836 follow-up to the *Nouveaux principes*, for instance, he underlines that « no manual labor maintains health, the vigor of the body, happiness, than agriculture, no (manual labor) prepares better soldiers for the defense of the fatherland » (p. 132 Book 1 « *Aucun travail manuel ne maintient aussi bien la santé, la vigueur du corps, la gaieté, que celui de l'agriculture; aucun ne prépare de meilleurs soldats pour la défense de la patrie* »). Sismondi's reference to Cincinnatus at the beginning of the *Histoire des républiques italiennes*, just before a denunciation of the current decline and a call to national rebirth, is another example. There are several references in the *Etudes* to the contribution of agricultural work to the development of muscles (Le fils « aîné [du métayer toscan], à dix ans, est déjà intelligent et adroit; il a appris de son père la raison de tout ce qu'il fait, et sa jeune expérience s'ajoute à celle de ses prédécesseurs; il s'amuse et se repose par la variété de ses occupations, et il croît en force et en intelligence, tout en gagnant déjà pleinement sa vie par son activité ». « Il y a pour la santé, pour la beauté de la race, un prodigieux avantage à développer tour à tour tous les muscles, au lieu de fatiguer tout le jour toujours les mêmes, et de recommencer tous les jours suivants ». « En suivant le calendrier du

métayer toscan, nous jugerons mieux de cette variété de travaux, de l'art avec lequel ils sont distribués dans toutes les saisons de l'année, du mélange d'exercices qui demandent de la force [musculaire] avec ceux qui demandent de l'adresse »). Italy's "national rebirth" in the second part of the 10th Century is linked by Sismondi to the kings' call for peoples to take arms and contribute to their defense (« Les rois avaient enfin reconnu leur incapacité pour défendre la société par leurs armées, ils avaient été contraints d'appeler les peuples eux-mêmes à prendre les armes; » p. 20 book 2 *Etudes d'économie politique*). This appears in the introduction to the second book of his last major economic opus and just before a defense of state intervention to promote peasants' right to work in the Latium. In the same chapter, Sismondi refers to ideal times under the Colonna family where « agriculture allowed a numerous population to live in these districts, the population increased with a great rapidity, and did not provide solely cultivators and defenders to the mountains where it was born, but also *adventurous soldiers, ready to spill their blood in all the wars of Italy* » (p. 24 book 2 *Etudes d'économie politique*). Indeed Sismondi's project is to constrain tenants to host peasants as workers on non-cultivated lands (for instance lands dedicated to pasture). Peasants would have in exchange the obligation to share half of their products with the proprietor, in a typical sharecropping agreement on the model of what was seen at these times in Tuscany. Sismondi defends his corporatist proposal mainly for Italy's Latium and South, for Ireland, for indigenous populations in colonies and for liberated slaves. His point is that proprietors would be in a "mutual benefit" situation (hence the class cooperation argument) as sharecroppers, being incited to work by their participation to the benefits, would become highly productive, yet they would be compelled to keep these peasants for very long on their lands, with no possibility to use the lands otherwise, making of course very difficult the reallocation of land capital. Furthermore it is not a model allowing for an intensive, highly-productive agriculture as sharecroppers are expected to do by themselves, with their own tools, the bulk of land ameliorations. Sismondi insists on the possibility to produce high-end crops such as wines or mulberries and defends peasant self-sufficiency with e.g. kitchen gardens to limit dependence on markets but is mostly opposed to large-scale agriculture for market supply, as his main arguments is about "gluts", and he is opposed to large-scale import-export trade and to the international division of labour (for example : « How can the two systems of renouncing to your manufactures to rely on those of foreign countries, and to establish at the same time new manufactures to do all the work of foreign countries, can be on your advantage at the same time ? » p. 231 book 2 *Etudes d'économie politique*)⁵⁸. Sismondi's arguments about peasant self-sufficiency complement a more general discussion about short circuits and the limitation of international trade. The condemnation of technological advances "which do not create jobs"⁵⁹ would also impede the development of an highly productive agriculture and is obviously highly unfavorable to technological progress in general. At one point Sismondi explains that the risk with the development of industrial machines is the risk that « *all muscular work* » would disappear

58 Even in his *Richesse commerciale*, Sismondi says that trade treaties must be delayed until enough capitals have been accumulated, that trade is more beneficial inside a country than with foreigners, and that industrial development must be directed so that foreign imports are « naturally excluded », starting from the most essential necessities to « less useful goods ». See pp. 126, 136, 140, 341 and 342 in the edition in the *Oeuvres complètes*, II. P. 284 Sismondi suggests state subsidies to companies that would be recognized as being able to support « foreign competition ». The *Richesse commerciale* is Sismondi's earliest major economic text, in which he has been said to be closest to Smith's thinking – yet these points contradict directly that assumption.

59 Sismondi does not attack all technological advances, only those which « destroy jobs » ; see for instance p. 227 book 1 *Etudes d'économie politique*. Of course Sismondi never discusses the fact that technologies that destroy jobs at a given moment can be needed to develop further technological advances which will then create more jobs !

(*Etudes d'économie politique*, book 2, p. 183). He also includes encouragement to muscular work as contribution to « national progress » in the *Etudes* (*Etudes d'économie politique*, book 1, p. 218). In his introduction to the *Etudes sur les Constitutions des Peuples Libres* (the first part of the *Etudes*), Sismondi includes “military science” as part of social science as it « teaches to nations how to defend themselves » (Introduction, first page) and in the same book he explains that citizen participation to militias is a key “power” given to the “people” as it teaches discipline and helps him to understand its own “freedom” (« un peuple armé, et organisé de manière à pouvoir soutenir le premier choc des troupes de ligne, est un peuple libre. Nous sommes très loin de lui proposer de tourner les armes qui lui sont confiées contre le gouvernement qui les lui a remises, très loin de vouloir transporter les délibérations des conseils dans les corps-de-garde, ou de recommander aucun recours à la force. Mais quand le peuple est armé et organisé militairement, ce peuple sent que la force est en lui, et le prince le reconnaît en même temps. » p. 349). Machiavelli’s call for people’s participation to military victories in the Discourses (Book 2, Ch. II) is also politically motivated, as a way to avoid citizen insurrections, and can surely have inspired Sismondi’s. Machiavelli’s claims that corruption and the lack of interest in freedom would spill from high inequality of wealth, and that therefore “extraordinary means” are needed to reduce such inequality of wealth (Book 1, Ch. XVII), have also certainly been key in Sismondi’s demands for state intervention in the economy, especially regarding peasants. Sismondi expressed his high interest for Machiavelli’s Discourses. These proposals were certainly a reference for all early antiliberals, like Rousseau and Harrington, and even for later representatives of antiliberalism. Machiavelli may be seen as the inventor, or at least one of the prime proposers (with Xenophon), of military Socialism.

Sismondi’s economic model of owner-peasant co-development through sharecropping and of salary hikes against gluts is directly contradicted by his proposals for Algiers in the *Nouveaux principes* (in the two editions, 1819 and 1827) as well as in *De l’expédition contre Algiers* (1830). In these texts Sismondi recommends the colonization of the Mediterranean South not only for security issues (elimination of pirates) but also to provide commercial outlets to the French industry. This would in Sismondi’s thinking involve an increase of unemployment in these areas but the topic is of course not at all discussed. In the *Nouveaux principes*, Europe « would find in the wealth of the Africans, a vast market for the products which are in surabundance in its manufactures » (Book 7, Ch. IV). In *De l’expédition contre Algiers*, « The kingdom of Algiers will not only be a conquest ; it will be a colony, a new country, on which the surplus of population and economic activity of France will be free to spill out ». Sismondi’s classification as “demand-side economist” (he even was one of the firsts to explicitly talk about “effective demand” - *Oeuvres complètes*, IV, p. 206) is here directly contradicted, or, better put, Sismondi’s racism appears blatantly through his own contradictions. Sismondi’s calls for a strong internal market and even to some prototypical forms of import-substitution industrialization applied to Italians (where sharecropping, according to him, fosters commerce in Tuscany), to the Irish suffering from famine, or to freed slaves, do not extend to Muslims because it is not anymore in France’s personal interest.

Say himself suggested in his *Treaty* that there may be short-term glut issues (« *Cela étant ainsi, d’où vient, demandera-t-on, cette quantité de marchandises qui, à certaines époques, encombrent la circulation, sans pouvoir trouver d’acheteurs ? [...] En termes plus vulgaires, beaucoup de gens ont moins acheté, parce qu’ils ont moins gagné ; et ils ont moins gagné, parce qu’ils ont trouvé des difficultés dans l’emploi de leurs moyens de production, ou bien parce que ces moyens leur ont*

manqué »), which leaves open the discussion about whether Sismondi simply re-used these comments to attack Say without underlining that the criticism came from Say himself (nevertheless a relevant point is that Sismondi's main target when coming to Say's Law was actually Ricardo, not Say, perhaps an implicit acknowledgment at least that Say himself had formulated his limits to the law). Other unquoted economic inspirations of Sismondi may include James Maitland, earl of Lauderdale, and perhaps as well Heinrich Friedrich von Storch (it was quite usual not to quote your sources at these times).

Regarding slaves after their liberation, Sismondi suggests sharecropping on their former owners' lands, with as always participation to the profits to put the freemen in a better situation that they would be if they were day laborers with small carriages, but there also is a little-noted punitive dimension to the scheme, as an "ad terrorem" clause (in the own words of the author) where freed slaves refusing to work "in their own interest" under the new sharecropping agreements would be punished through a return to serfdom (« Il ne serait point mal cependant peut-être de l'admettre comme exception, 'ad terrorem', et pour châtier ceux des nègres qui ne voudraient se plier à aucun système de culture, qui se montreraient sourds à leur propre intérêt, et incapables de travailler, dès qu'on les aurait soustraits au fouet de l'inspecteur. » p. 298 book 1 *Etudes d'économie politique*, and on the next page « le servage ne peut être considéré que comme un système pénal, auquel on aurait recours en cas d'insubordination »). Inspiration from Rousseau's *Projet de Constitution pour la Corse* can be suggested. Forced work in combination with an insistence on the military directly leads to fascism or Stalinism. Class cooperation and corporativism are more relevant to fascism. Sismondi also regularly chastised "idleness" of the poor in all his writings, as well as tastes of "ostentation" from the high bourgeoisie. In a less-noted article of 1837, a comment of A. de Gasparin's project for the liberation of slaves, Sismondi demanded that the slave pays for his own freedom through years of work. The slave owner must be compensated by his own "property" (de Gasparin had suggested a similar scheme, Sismondi softens it a bit yet keeps the bulk of it). This can be seen directly in link with Sismondi's racism. His project has to be read in the perspective of national remobilization through organized work and is a direct reminder, for instance, of Pétain's *Révolution nationale* (see also Schmitter (1974)) and of all other fascist regimes. Pétain was born in 1856 and may have directly read Sismondi. Sismondi's writings were the object of publications in Vichy France, for instance by J. H. Rilliet in June 1942 ("Actualité de Sismondi") and by Paul Chanson for the "Institut d'études corporatives et sociales" (Institute for Corporativist and Social Studies) in 1944. Pétain's projects for class cooperation and denunciation of the greed of company executives and financiers are well known. He insisted on the "right to work" of all and on agriculture, calling among other things for access of peasants to property. Yet Sismondi's racism and antisemitism, military-state economics and imperialism certainly had influences throughout Europe, in Germany through the SPD, to Bismarck, in Italy with Mussolini and, through Mussolini and Bismarck, to Hitler (or directly through Hitler's readings), even though it is always difficult to assess "who influenced who" as each writer would tend to refrain from quoting other authors, especially writers willing to engage into politics such as Sismondi, that obviously always attempt to pretend they have developed ideas of their own.

Hiding behind Adam Smith and republicanism

Using Smith as a firewall

Sismondi gives a good example of economic demagoguery, by using throughout his economic articles several apologetic references to Adam Smith while questioning in fact a number of the core tenets of his theory. One could first underline the radical opposition between Smith's *Theory of Moral Sentiments* and Sismondi's ultranationalism, militarism, antisemitism, racism. Sismondi, in fact, does not refer to this text but solely to the *Wealth of Nations*, from his first publications up to the *Etudes d'économie politique* in 1836. Yet Sismondi's protectionism, mercantilism and strong economic interventionism directly contradict the core element in Smith's political economy. Sismondi also defends the implementation of a number of rights for workers but for these, do not refer to Smith's Book V of the *Wealth of Nations*, again leading to the suggestion that Sismondi attempted to appropriate some of the ideas of another author to his own profit, as many writers attempted to do in these times.

Smith has clearly been used so as to gain confidence from the reader in order to then advance a much more conservative project than Smith's. It can be seen under the light of later « neo-socialist » movements which used the marxist *lingua* yet promoted a fascist vision of society⁶⁰. Smith's name appears in fact much more frequently than Rousseau's and Rousseau is the object of attacks in his *magnum opus*, the *Nouveaux principes*, where private appropriation is described as an « happy usurpation » in a satire of Rousseau's *Discours sur l'inégalité parmi les hommes*. Nevertheless, Sismondi's underground attacks on property rights emerge even in the earliest of his works. As noted in the introduction, in 1802 (*De la Richesse territoriale*, circa 1802, in *Oeuvres complètes*, III, p. 119 - 121) Sismondi says that the sovereign « can and ought, for the good of the whole society, limit and control the free disposition of the goods of owners composing society » and « appropriate for the benefit of all some portion of each own's property ». He then explains that the 'criteria' to judge public action on this regard is that public intervention should be allowed when the wrong that it corrects is a bigger dis-utility than the imposition of more red tape. Sismondi in fact resuscitates Rousseau's theory of the « distinction of rights that the sovereign and the owner have on the same fund » (*On the Social Contract*, book I, Ch. 9) : in the *Richesse territoriale* he says that on land capital there are « opposed rights of the owner and the sovereign ». In 1808 and the *Histoire des républiques italiennes*, Sismondi suggests (in a denunciation of the Physiocrats' views) that in case land owners were in position to « impose » their laws, violating them would be the sole issue to achieve respect of the « rights » of workers that were recognized through « the social contract ». « And who doubts that laws should be violated, when laws are solely the expression of the will of an usurper class which would have deprived the nation of its heritage ; that property, which has no other guarantee than social contract, would be considered as giving the right to destroy all the guarantees that the social contract has guaranteed to all citizens » (Book 4, Ch XXV, p. 161). I would also point out that very early in his life (in the *Recherches*), Sismondi suggested a criteria for revolution, which should not be a formal right of the citizens but must be recognized if there is a general agreement of the people and no foreign intervention (so with an insistence on the « national » dimension of the revolution). In a text written during the Troppau Congress in 1820, Sismondi said

60 For instance De Man in Belgium, Déat and Doriot in France... it is today the thin divide between abhorers of « globalization » and contempters of « mondialism »...

that « the sole free constitutions are the constitutions that peoples conquered with their arms » (quoted in In *Sismondi européen*, Sven Stelling-Michaud (ed), 1973, p. 162⁶¹). This confirms again very well Sismondi's claim that he differed « more on words than on things » with Rousseau in his *Recherches sur les Constitutions des Peuples Libres*. Sismondi's revolution, which can be strongly expropriatory, is a *national* one. It is very clearly in the direction of national-socialism even though these comments were hidden in the middle of his books (the questioning of property rights was much clearer from the *Nouveaux principes*), certainly out of knowledge that they were controversial in the *bourgeois* society which Sismondi targeted. Finding such arguments in very early writings also encourages to dismiss again the hypothesis of a « conversion » of Sismondi to socialism in 1815 (defended recently by Ghislain (2013) and criticized by Bridel, Dal Degan and Eyguésier in their introduction to the *Oeuvres complètes*).

Nevertheless Sismondi made several open references to Smith's *Wealth of Nations* from the earliest to the latest of his published works, still calling him « the true renovator of the [economic] science » and « our master » (talking of himself in plural form) in the *Etudes* in 1836. It is a stark reminder of how anti-liberalism frequently tries to trick audiences by advancing under a mask – it can be related to J. M. Keynes' (the famous “liberal” who headed the Eugenics Society from 1937 to 1944) affirmation that « the theory of output as a whole [...] is more easily adapted to the conditions of a totalitarian state », in the preface to the German edition of the *General Theory* in 1936 – as Keynes' antisemitism (See on this Chandavarkar (2000)). Marx's antisemitism (expressed in *On the Jewish Question* in 1844, with the plain assimilation of Judaism to greed) can be seen as a clear reflection of Sismondi's own antisemitism (as discussed above), and obsession about money and rejection of free capitalism as a likely consequence of antisemitism. Sismondi's long reflections about the control of population growth, especially of the *prolétariat*, also find a direct equivalent in Keynes' neo-Malthusianism. Sismondi indeed kept the bulk of Thomas Malthus' ideas about population growth and the subsequent lack of means of subsistence (see for instance *Etudes d'économie politique*, book 2, p. 187), linking them with reduction of the size of the market associated with state intervention and peasant self-sufficiency (let's underline a particularly revealing extract of the *Etudes*, p. 189 book 2 : « *The State, for the safety [of the consumer], must make sure that most of its supply comes to the consumer without being submitted to the chances of trade* » (« l'État, pour sa sûreté, doit veiller à ce que la plus grande partie de ses approvisionnements arrive au consommateur sans être soumise aux chances du commerce ») - the « safety of consumer » relates, in the context, to the possibility of food shortages, yet Sismondi just mentioned one line above in the same text the issue of agricultural *overproduction* and *gluts* !). Sismondi's model relies on a vastly constrained society with families of peasants bound to soil from one generation to another ; it is not clear whether they would be free to leave or not. Sismondi's comments on slaves and general denunciation of “idleness” suggest they may not, which in this case would allow to put Sismondi's ideas in the direct ancestry of the Nazi “Blood and soil” agricultural reforms in 1933.

Hiding opportunism behind republicanism

Sismondi's frequent claims that he is a “republican” have thus to be denounced as pure entryism. He clearly rooted himself on feudalism and even Byzantine traditions to build his model for state intervention regarding peasants, defending as well papal state policy. His “republicanism” is

61 A book that is part of a numerous literature aimed at defending or rehabilitating Sismondi

therefore constructed on a history of non-Republican governments and has to be confronted with the 1815 support to Bonaparte and the 1830 support to Charles X's absolute monarchy through calls to invade Algiers. More generally, the *need* to base public policy on anterior models of government denotes a lack of innovativeness and a deep conservatism of mind. The exchange of services between landowners and peasants granted land in return for their military contribution, the laws of autocrats such as Theodoric the Great, Constantine the Great, Arcadius, Honorius, Sixtus IV and Julius II (which according to Sismondi have all implemented some protection of peasants' "right to work") cannot be seen as decent sources for any Republican. Seeing mere preoccupation for the public good where in fact it is likely that populism and preoccupation for personal popularity are more important drivers for state intervention denotes a great deal of hypocrisy from someone who, at an early point in his career, still pointed out that public intervention in the economy in favor of the poor may be aimed at increasing dependence to institutions (in a footnote to the *Tableau de l'agriculture toscane*, in the 1801 Paschoud edition, pp. 212 - 213). Such common sense disappeared almost immediately to leave room for anti-liberalism and deep chauvinism. Zeev Sternhell's claim that France was the laboratory for fascism (1995) is supported by the figure of Sismondi, who, even though of Swiss nationality, was much involved in French public life. Nevertheless, Sternhell famously considered Rousseau as a prime figure in the Enlightenment and shall therefore have as well neglected for this reason Sismondi as cofunder of fascism. His *Histoire des républiques italiennes* inspired an Italian nationalism that almost naturally gave birth to fascism. Sismondi's long-lasting friendship with Jules Michelet (see Pellegrini (1967)), the most famous 19th Century French Romantic historian also influenced by Rousseau, reflects Michelet's fear of technological advances (see Viallaneix (1979)⁶²), extreme nationalism and sometimes as well violent antisemitism, as underlined by Bénichou (1978). Bénichou's suggestion that Michelet "secularized Christian tradition [on antisemitism] more than contradicted it" can easily be extended to Sismondi. This is what I would call a "vestigial form of christianism" used to drive more conservative audiences to socialism (epitomized by the Nazi swastika). Michelet's influences in the Third Republic have been immense – his historical writings have been the textbooks of generation of schoolboys and schoolgirls and Michelet is still regarded very widely in France as one of the founder of the French Republican spirit, even though his writing of the national history has been widely criticized by academics. In both cases, the need to set the foundations for a secular religion of the Republic seems to have required the conservation of religious scapegoats, as a lifeline able to attach Christians to the new political movement. In the absence of a scientific basis for a community that discards parts of the humanity as eternally foreign race (Sismondi), essentially "dirty", "usurer" (Michelet), political entrepreneurs such as Michelet and Sismondi take their inspiration in old hatreds⁶³ to constitute their dreamed polity around the eviction of the most traditional scapegoat, there is nothing left of the Republican spirit in their secular religion of seclusion and violence, and the outlines of national-socialism are drawn for political entrepreneurs to seize.

62 Viallaneix is devoid of any criticism of Michelet and presents of course Sismondi as a « philanthropist ».

63 It is always difficult to separate personal convictions from political opportunism...

Conclusion

The rejection of individual rationality and use of non-Popperian, teleological arguments to defend state intervention as well as of polylogism, the construction of holistic communities through the invention of tradition, the rejection of foreign peoples, of women, the use of religious traditions to tie the knot allow Sismondi to delineate transcending communities of white Christian males with a specific destiny which the State will be in position to accomplish and where, implicitly, the role of the State in evicting minorities is also self-evident. Antisemitism as “vestigial Christianity” is needed as the open attack on Christian virtues of tolerance would frighten conservative “customers” if not bound up with a kind of counterweight. The rejection of reason as opposed to the national spirit is also an excellent lever to violently reject any Popperian discussion of the political entrepreneur’s proposals. Sismondi, as Marx afterward, produced very long articles to obscure polylogism and appear more serious to the outside reader, as part of an attempt to construct what Marx was first to call “scientific socialism”.

The role of Rousseau in the invention of traditions as well as of state Socialism should obviously be exposed as initiative of nationalism, socialism and national-socialism even though Rousseau contributed more to socialism and Stalinism, whereas on nationalism and national-socialism Sismondi’s contribution is much more substantial⁶⁴. Sismondi gives its true substance to Machiavelli’s program for military Republics where the people would be anesthetized by military successes and the *princeps* thus all-powerful. The justification of state intervention through a non-Popperian, teleological creed of social rights which the State is always legitimate to reveal and defend through intervention in the market, when joined with imperialism, leads to a theory of economic disequilibrium where each claimed success for public intervention in the economy (presented as a kind of major victory in an economic “war”), creating in fact more disorder, requires new battles which allow to maintain a permanent state of excitation through propaganda, up to the point where the succession of economic failures requires wars against foreign countries to acquire more resources. There is obviously a very strong propaganda dimension around all of these state interventions (what matters is an appearance of success). The link between state intervention and militarism in Sismondi’s writings is here the keystone as each military failure opens the way to more socialisation and expropriation, as the State, this new inflated animal, needs to appear stronger inside whenever he fails outside and, of course, needs to increase its resources by any means to pay for more wars – this is the key lever for the “rise to the extreme” and Sismondi paves the way to it.

Sismondi’s political opportunism can be suggested through the numerous contradictions in his writings. As a politician attempting to build his career he played with fire and opened the way to even more nationalism. René Girard, Ludwig von Mises and Ayn Rand conjoin with the theory of the “rise to the extremes” where every foot in the direction of state intervention opens the way to the next, every call to hatred from an educated politician leads to more from a competitor, up to the “apocalypse”. Sismondi, Romantic economist and historian, has provided the footprint of Nazism in his writings : the community invented and constructed through the constant designation of scapegoats, bankers, “foreign” peoples of a different religion and “race”, women, queers, the romanticism of war and epics, malthusianism, corporativism, state intervention to build military

⁶⁴ It is at least difficult to attack Rousseau on antisemitism, but both authors have several common points, on the « social contract » and state intervention in the economy, machismo, militarism, nationalism and anti-rationalism.

power to wage wars for the *grandeur* of the country and many calls to expropriation. There are also some suggestions for “national revolution”, violence needed to overthrow old powers and give birth to the new national regimen, the theorisation of colonialism for economic exploitation, and the “ad terrorem” clause for classes of people (especially of a “bad race”) refusing the generously-granted “right” to work. If Nazis had quoted all of their sources, Sismondi would certainly be very high in their firmament.

Nevertheless it is clear that even in a frame that rejects reason as anti-national or anti-social, electors must always be provided with “good reasons” to support antiliberalism. Scapegoating works thanks to the subjective rationality of the elector who calculates he gains more by saving the energy of the effort of searching for reliable information than by attempting to oppose him or herself to a crowd and its leaders, that do everything to appear as impressive as possible, in the simple logic of the spectacle (Debord’s Society of the Spectacle). The elector is further disoriented by the massive use of irrefutable claims about society that allow to advance polylogism and, more visibly perhaps in the case of the far right, by a more general criticism of reason and of its application to political argumentation⁶⁵ (since after scientific socialism the left has been slightly more constrained to keep the appearances of reason). Jean-Paul Sartre’s *existentialist* philosophy should be seen not as the “humanism” it claims to be, but as the *actual* philosophy of Machiavellians, be they Socialists or National-Socialists.

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⁶⁵ Which is also implicitly present in journalistic work that focuses on the appearances of leaders, on their charisma, and deal with politics as an horserace

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